Implementation of two policies in physical education in indonesia: structural equiting model analysis
Implementación de dos políticas en educación física en indonesia: análisis del modelo de equitación estructural

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Abstract. Study this aim to know influence Grand Design policy Indonesian National Sports against implementation Independent Curriculum from teacher's view of use structural equity model method. Various studies national nor international show that Indonesia has experience crisis learning (*learning crisis*) which is quite long. Studies the show that Lots from Indonesian children who don't capable understand reading simple or apply draft mathematics basic. For overcome crisis and various challenge that, then We need Systemic change, one of them through applicable policies. Study use customized data analysis with pattern research and variables studied. Model used in study This is a model of causality and for test question proposed research in study this so technique analysis used is SEM (*Stuctural Equation Modeling*) which is operated through the R research program use two Sampling techniques are purposive sampling and *cluster random sampling*. Deep clusters study sample for WIB *cluster* is 389.65673 or rounded into 390 samples, for WITA *cluster* is 379.019324 or rounded to 379, and to WIT *cluster* is 324. Research results show that Implementation two departing policy behind is actions that are often required in context government or business for overcome conflict interest or opposite goals. For current conditions in Indonesia this, approach learning and implementation in the field Not yet considered in a way comprehensive and in-depth.
Keywords: Education Policy, Contradictory Policy rear, Structural equiting model

Resumen. El objetivo de esta investigación es determinar la influencia de la política del Gran Diseño Deportivo Nacional de Indonesia en la implementación del plan de estudios independiente desde la perspectiva del profesor utilizando el método de modelado de ecuaciones estructurales. Varios estudios nacionales e internacionales muestran que Indonesia ha experimentado una larga crisis de aprendizaje. Investigaciones anteriores muestran que muchos niños indonesios no pueden comprender lecturas sencillas ni aplicar conceptos matemáticos básicos. Para superar la crisis y los diversos desafíos que causa, se necesita un cambio sistémico, uno de los cuales es a través de políticas que puedan aplicarse. Esta investigación utiliza un análisis de datos que se adapta a la investigación de los patrones y variables estudiadas. El modelo utilizado en esta investigación es el modelo de causalidad y para las preguntas de prueba propuestas en la investigación, la técnica de análisis utilizada es el modelado de ecuaciones estructurales que se opera a través del programa de investigación R utilizando dos técnicas de muestreo, a saber: muestreo intencional y muestreo aleatorio por conglomerados. La muestra del estudio de conglomerados profundos para el grupo de Indonesia occidental es 389,65673 o redondeada a 390 muestras, para el grupo de Indonesia central es 379,019324 o redondeada a 379, y para el grupo de Indonesia oriental es 324. Los resultados de la investigación muestran que la implementación La combinación de dos políticas diferentes una detrás de la otra es una acción que a menudo es necesaria en contextos gubernamentales o empresariales para resolver conflictos de intereses u objetivos opuestos. Para las condiciones actuales de Indonesia, el enfoque es el aprendizaje y la implementación en el campo. Esto no ha sido estudiado de manera exhaustiva y profunda.
Palabras clave: Política educativa, Política contradictoria, Modelo de equidad estructural

Introduction

Policy education is set steps, plans, and decisions made by a government, authority education, or institutions related for arrange system education in a country or region. The goal is for increase quality education, giving fair and equal opportunities to all citizen for get education, and attainment goals certain in field education. Education policy is a guideline that must be adhered to by educational actors in carrying out education in a country (Thoma, 2022). It serves as a framework for decision making and provides direction for educational institutions, educators, students, and other stakeholders involved in the field of education (Thoma, 2022). Policy education varies greatly from one country or region to another, depending on culture, values, goals education, and situation economy. Policy effective education can role important in increase quality education, prepare generation future, and creating more society inclusive and knowledgeable. Education policy is an assessment of the value system and educational needs carried out by a general institution and will serve as a guide in every decision making so that educational goals in a country can be achieved easily (Dhawan, 2020; Putra, et al., 2020). Policy development in a country is usually based on the needs of a country and also the level of human resources (Spyrou, et. al., 2023). Policy education play role important in form system education, influence practice teaching and learning, and determining results education students. Education Policy aims to improve human resources in a country and also as a reference for the sustainability of the education system (Schwartz, et.al., 2023). Policy education must review, updated, and committed in a way periodically aligned with change need education, progress technology, and emerging challenges in system education. Effective implementation of education policies requires collaboration and coordination between various

stakeholders, including educational institutions, policy makers, teachers, parents, students and community members (Gerhards, et. al., 2021).

In opening 1945 Constitution alenia fourth mention that "intelligent life nation" in matter This nation covers all over good Indonesian citizens residents who study in state schools, as well as those who study at school private in matter This policy education is part from policy public (Dewi, 2016). Physical education in Indonesia today this implement two policy namely Grand Design National Sports and Independent Curriculum. Second policy own the difference in output can be result ineffectiveness from policy that. The existence of two policies implemented in educational units will have an impact on the sustainability of education itself (Gopalan & Edara, 2023). Physical education teachers will experience difficulties because physical education teachers have limitations in terms of education, structure and making materials (O'Sullivan & Parker, 2018). Great Design The next National Sport abbreviated is document plan parent containing direction policy coaching and development sports carried out nationally in a way effective, efficient, superior, measurable, systematic, accountable and sustainable in scope sport education, sports recreation, sports achievements, and industry sports.

Design policy Indonesian National Sports was spearheaded by the Minister of Youth and Sports Zainudin Practice at a friendly event with administrator center Bond Bachelor Indonesian Sports (ISORI) in Makasar on November 6 2021. Design policy Indonesian National Sports is functioning for give guidelines for Central Government, Provincial Regional Government, Regency Regional Government or City, Organization Sports, Parent Sports organizations, business and industry, academics, media and society maintenance National Sports so development National Sports can walk in a way effective, efficient, superior, measurable, accountable, systematic and sustainable. Design policy Indonesian National Sports is document plan parent containing direction policy coaching and development sports carried out nationally in a way effective, efficient, superior, measurable, systematic, accountable, and sustainable in scope sport education, sports recreation, sports achievements, and industry sports.

Direction policy coaching and development sports national aims for increase performance sport Indonesian national with system structured and long- term coaching long. In Regulation President number 86 of 2021 concerning Design policy Indonesian National Sports aims for, 1) increase culture Sports in Society, 2) improve capacity, synergy and productivity Sport Performance national, and 3) advancing economy national based Sports. Minister of Youth and Sports Republic of Indonesia Zainudin Practice explain purpose and function design big sport current national. Already There is Regulation President (Perpres) Number 86 of

2021. The birth of Design policy Indonesian National Sports because seen need about direction policy coaching and development sports national. Minister of Youth and Sports Practice convey, direction policy coaching and development sports national has objective for increase capacity, synergy and productivity sport performance national. Besides that too, is purposeful for advance economy national based sports.

Independent Curriculum is curriculum with learning diverse intracurricular where content will more optimal for participants educate own enough time for deepen concept and strengthen competence. Teachers have freedom for choose various teaching tools so learning can customized with need learning and interest participant educate. Project for strengthen achievement profile Pancasila students are developed based on theme certain conditions determined by the government. Project the No directed for achieve achievement targets learning certain, so no tied to content eye lesson. The term "Curriculum" has many meanings, one of which is the curriculum is a tool used as a reference for conducting a learning program (Capuk, 2015). The curriculum is also implemented in order to get a change in behavior better learners and obtain the triumph as expected (Haris, 2016). McDuffie (2018) indicates that the curriculum has certain characteristics, namely learning devices or as transfer learning.

Various studies national nor international show that Indonesia has experience crisis learning (*learning crisis*) which is quite long. Studies the show that lots from Indonesian children who don't capable understand reading simple or apply draft mathematics basic. Findings that too show gap steep education across regions and groups social in Indonesia. Circumstances this then the more critical consequence spread Covid-19 pandemic. For overcome crisis and various challenge that, then we need systemic change, one of them through curriculum. Curriculum determine material taught in class. The curriculum also influences speed and method teaching that teachers use for fulfil need participant educate. For that's Ministry of Education and Culture develop Independent Curriculum as part important in effort restore learning from a crisis that has long been with us natural. The aim of this research is to find out what sports policies are like from the independent curriculum and the grand design of national sports in Indonesia.

Method

Method in study this is quantitative with Grand Design variables National Sports and Independent Curriculum as well for see influence implementation of the Grand Design National Sports against implementation Independent Curriculum in learning education physical at school. Study will involving PJOK teachers in schools in Indonesia based on the data obtained from the Ministry of Education, Culture, Research and Technology 's Basic Education Data website number of education teachers physical in Indonesia is as many as

206,755 will made as population research.yang has chosen by the researcher based on population study use two Sampling techniques are purposive sampling and *cluster random sampling*. Deep clusters study This shared become three based on time zones in Indonesia, namely western Indonesia (WIB), part of Indonesia central (WITA), and parts of Indonesia east (WIT). Furthermore, for random sampling use formula:

$$n = \frac{Npq}{(N-1)D+pq} \qquad (1)$$

Based on calculation above can seen that sample for WIB *cluster* is 389.656733 or rounded into 390 samples, for WITA *cluster* is 379.019324 or rounded to 379, and to WIT *cluster* is 324. Total from sample study this on all clusters is 1039.

Study This use customized data analysis with pattern research and variables studied. Model used in study this is a model of causality and for test question proposed research in study This so technique analysis used is SEM (*Stuctural Equation Modeling*) which is operated through the R. SEM program is technique Multivariate statistics which is combination between analysis factors and analysis regression (correlation), which aims for test relationship between the variables in a model are good that between indicator with the construct, or connection between construct. Structural equation models (SEM) with latent variables emerged from the need to measure multidimensional concepts that are not directly observable (constructs or latent variables), as well as test the relationships among them Structural equation models (SEM) with latent variables emerged from the need to measure multidimensional concepts that are not directly observable (constructs or latent variables), as well as test the relationships among them (Valle & Assaker, 2015). SEM path diagram in research this can seen in figure 1 below this:
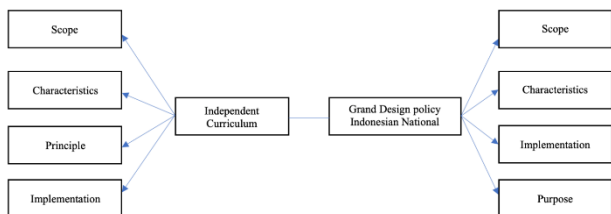

Figure 1. *Path Diagram*

Confirmatory Factor Analysis

Method used in analysis and discussion this time that is with *confirmatory factor analysis* (CFA) for know validity-reliability from contribution of each of the indicators that make up it variable its latent consists from Grand Designs National Sports and Independent Curriculum. CFA analysis on the Merdeka Curriculum latent variable is structured from four indicator including Scope (X1, X2, X3, X4, X5, X6, X8, X9,

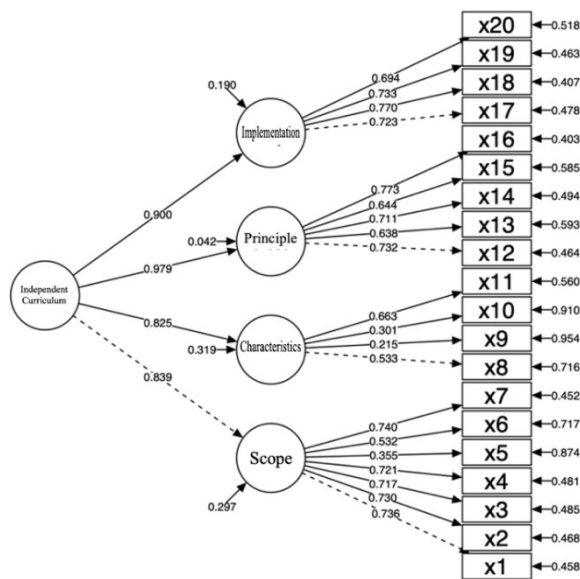X10, X11), Principles (X12, X13, X14, X15), results estimation shown in Figure 2.

Figure 2. CFA for Independent Curriculum

Figure 2 is a path diagram of the model The Independent Curriculum that is demonstrated with mark standardize it, then next with identify models. Model identification is possible seen from number of parameters to be estimated through 4 aspects and 20 instruments.

In Table 1 results CFA data analysis using the R program can seen that instrument used already FIT with CFI and TLI values >0.9, RMSEA values <0.07, and SRMR values <0.08. So that can seen that in a way whole criteria model goodness has been fulfilled , so all aspects and also the instruments that compose it Already *FIT* with Merdeka Curriculum latent variable.

Analysis on Grand Design latent variables National Sports composed from four indicator including Scope (X21, X22, X23, X24, X25, X26) and Destination (X40, X41, X42, X43, X44), with results estimation shown in Figure 3.

Table 1.
Criteria Benefits of the Independent Curriculum Latent Variable Model

Criteria	Cutt -off Value	Model Results	Model Evaluation
CFI	>0.9	0.944	FIT
TLI	>0.9	0.934	FIT
RMSEA	<0.07	0.054	FIT
SRMR	<0.08	0.058	FIT

Figure 3 is a path diagram model of the Grand Design National Sports Show with mark standardize it, then next with identify models. Model identification is possible seen from number of parameters to be estimated through 4 aspects and 24 instruments.

In Table 2 results CFA data analysis using the R program can seen that instrument used already FIT with CFI and TLI

values >0.9, RMSEA values <0.07, and SRMR values <0.08. So that can seen that in a way whole criteria model goodness has been fulfilled, so all aspects and also the instruments that compose it Already *FIT* with Grand Design latent variables National Sports.
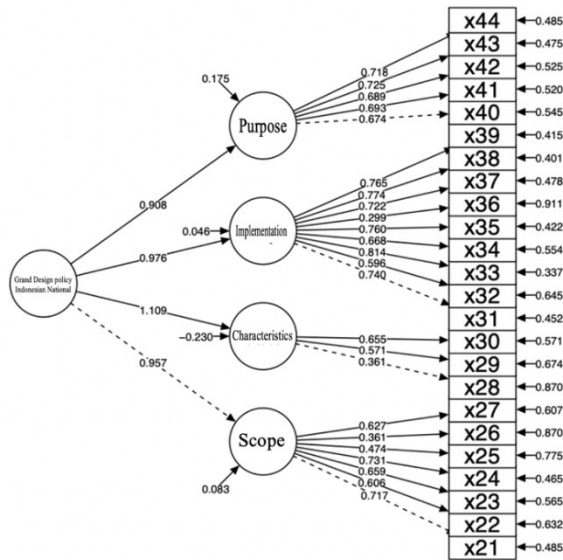

Figure 3. CFA for Grand Design National Sports

Table 2.
Criteria The Goodness of Large Design Latent Variable Models National Sports

Criteria	*Cutt -off Value*	Model Results	Model Evaluation
CFI	>0.9	0.994	*FIT*
TLI	>0.9	0.973	*FIT*
RMSEA	<0.07	0.069	*FIT*
SRMR	<0.08	0.072	*FIT*

Results

A. *Structural Equity Model*

After conducted a CFA test and stated the model used already FIT and data correct whole is OK, then step furthermore is a measurement model fit test. Evaluation this will done between A latent variable with a number of indicator. Following is *path diagram standardized solution* Grand Design variables National Sports and Independent Curriculum

Figure 4. *Path Diagram of Standardized Solution*

Based on Figure 4 is obtained evaluation measurement model suitability that is through evaluation to validity and evaluation to reliability, following will explained results evaluation that. Something variable said have good validity to construct or variable latent If load t value the factors (*loading factors*) are more big from mark critical and load factor the standard (*standardized loading factor*) ≥ 0.50.

Based on table 3 is obtained that there are 8 indicators with 3 latent variables and each indicator has passes the validity test (SLF >0.5), then can said answer respondents to the questions used for measure each construct or indicator is consistent and constructive can dependable/ reliable. Evaluation to significance estimated coefficients. Based on the data analysis output obtained results analysis equality structural in table 4 as following

Table 3.
Evaluation Results Validity and Reliability

Variable	Indicator	Standardized Loading Factor (SLF) >0.5	Information
Great Design National Sports	Scope	0.98	*Reliable*
	Characteristics	1.1	*Reliable*
	Implementation	0.96	*Reliable*
	Objective	0.89	*Reliable*
Independent Curriculum	Scope	0.83	*Reliable*
	Characteristics	0.91	*Reliable*
	Principle	0.91	*Reliable*
	Implementation	0.92	*Reliable*

Table 4.
Analysis Results Equality Structural

Variable	Standardized Loading Factor (SLF) >0.5	Information
Great Design National Sports to Independent Curriculum	0.99	*significant*

From the structural equation it can be explained that Grand Design variables National Sports with a value of 0.99 indicates that Grand Design variables National Sports are influential to implementation Independent Curriculum based perception from education teachers Physical Sports and Health in Indonesia. Based on Table 5 can is known that on almost all indicator declared valid except indicator number 36
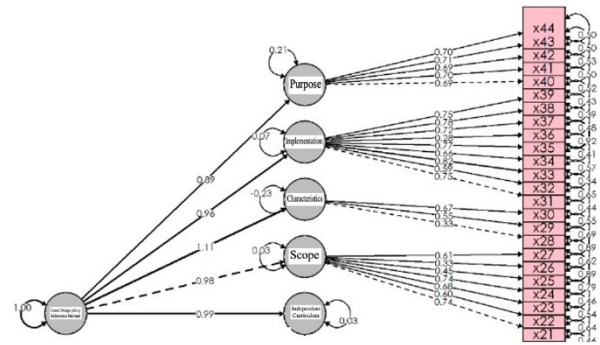
is related with principles of Design policy Indonesian National Sports. This thing showed with mark *loading factor* obtained by each indicator more of 0.5. According to Wala et. al (2020), about *relative importance and significance of the factor loading of each item*, states that loading factor ≥ 0.50.

Now this lots research that uses SEM analysis. Because SEM is capable analyze connection because consequence be-

tween variables in it load latent variable, where is the processing process can involve mistake in measurement from variable indicators and latent variables. Abnormality distribution of data obtained in study this. If the data is normally distributed univariate not yet of course the data is normally distributed Multivariate so that Based on the data normality test, the data was not obtained normally distributed. Stages in SEM analysis viz model specification, model identification, model estimation, goodness of fit testing, and respecification. Based on results study show exists influence application of Design policy Indonesian National Sports to Independent Curriculum uses SEM analysis.

Based on image above show equality structural with value 0.99 which is significant there is the influence of Design policy Indonesian National Sports on Independent Curriculum based teacher perception. Great Design National Sports being document plan parent containing direction policy coaching and development sports carried out nationally in a way effective, efficient, superior, measurable, systematic, accountable and sustainable in scope sport education, sports recreation, sports achievements, and industry sports (Hasyim, et. al., 2023). One target in Design policy Indonesian National Sports is development and guidance talent candidate athletes and education physical is one part in development talent candidate athlete in matter mastery motion basis (Firmansyah & Wahdiniwaty, 2023). The targets for Design policy Indonesian National Sports are different behind with principle education physical education in the Independent Curriculum. Physical education in The Independent Curriculum is a learning process through activity designed body for can increase fitness physical, developing Skills motor skills, knowledge, and behavior life healthy and active, sportsmanship and intelligence emotions (Kanca, 2017). Independent Learning Curriculum present as answer on strictly competition source Power man globally in the 21st century. There is three competence big in the 21st century, that is competence think, act and live in the world (Pratiwi et. al., 2023).

There must be considerations made by policy makers when implementing a policy, because implementing a policy will change a policy (Esteve et. al, 2022). Important for adopt a thoughtful and involved approach various holder interest in the retrieval process decision for reach appropriate balance between two departing policy behind that. In implementing education policies, policy makers need to consider input and what teachers feel (Shiram et. al., 2018). A number of studies mention that exists two different policies will cause no exists focus on the outcome to be expected if no capable maximizing source Power existing humans. However, as noted above, the involvement of policy makers will ultimately enhance the framework by representing important bottom-up perspectives throughout the development process, while insights from policy makers at higher

levels are gained from key informant interviews from international and national stakeholders (Vaden, 2020; Garces, et.al, 2019; Halog & Anieke, 2021).

Table 5. Test Results Validity Factor

Variable	Factor	Code	Loading Factor	Cutoff value	Information
Independent Curriculum	Scope	X1	0.720	0.5	Valid
		X2	0.737	0.5	Valid
		X3	0.815	0.5	Valid
		X4	0.764	0.5	Valid
		X5	0.557	0.5	Valid
		X6	0.668	0.5	Valid
		X7	0.766	0.5	Valid
	Characteristics	X8	0.687	0.5	Valid
		X9	0.698	0.5	Valid
		X10	0.666	0.5	Valid
		X11	0.536	0.5	Valid
	Principle	X12	0.826	0.5	Valid
		X13	0.788	0.5	Valid
		X14	0.830	0.5	Valid
		X15	0.773	0.5	Valid
		X16	0.837	0.5	Valid
	Implementation	X17	0.788	0.5	Valid
		X18	0.861	0.5	Valid
		X19	0.800	0.5	Valid
		X20	0.846	0.5	Valid
Great Design National Sports	Scope	X21	0.686	0.5	Valid
		X22	0.684	0.5	Valid
		X23	0.660	0.5	Valid
		X24	0.696	0.5	Valid
		X25	0.703	0.5	Valid
		X26	0.619	0.5	Valid
		X27	0.629	0.5	Valid
	Characteristics	X28	0.760	0.5	Valid
		X29	0.849	0.5	Valid
		X30	0.575	0.5	Valid
	Implementation	X31	0.745	0.5	Valid
		X32	0.684	0.5	Valid
		X33	0.803	0.5	Valid
		X34	0.750	0.5	Valid
		X35	0.757	0.5	Valid
		X36	0.485	0.5	Invalid
		X37	0.703	0.5	Valid
		X38	0.780	0.5	Valid
		X39	0.788	0.5	Valid
	Purpose	X40	0.707	0.5	Valid
		X41	0.724	0.5	Valid
		X42	0.801	0.5	Valid
		X43	0.800	0.5	Valid
		X44	0.804	0.5	Valid

Discussion

In study this we will test is There is influence from Grand Designs National Sports against Independent Curriculum which has objective or background different rear use CFA and SEM methods. Model testing with *Confirmatory Factor Analysis* (analysis factor confirmatory) only done for know what the measurement model is and what it is not for know connection between latent variable (Bollen, 1989). The aim of CFA is for identify the appropriate model that explains connection between a set of items with the construct measured by the item. Measurement model own good model accuracy when items are involved capable become indicator from a measurable

construct that is substantiated with mark error low measurement and high component loading factors. This model obtained based on study theoretical already strong. Different with *Exploratory Factor Analysis* (EFA) where researcher want to see amount factor from the empirical data obtained, CFA precisely Already set amount factor from study theoretically, so objective analysis just for confirmation what is the proposed measurement model in accordance with data. Research conducted by Baistaman et al (2020) shows that the results of the confirmatory factor analysis carried out to develop instruments for determining policies involving 300 teachers were successfully carried out and the confirmatory factor analysis showed valid and reliable results.

Based on results CFA analysis shows that model is used already FIT. That thing because factors that Make Up Grand Design variables Indonesian National Sports and the Independent Curriculum are compatible with Regulation that is related with Design policy Indonesian National Sports Scope, Characteristics, Implementation, and Objectives, as well for compiler variable the Independent Curriculum is Scope, Characteristics, Principles and Objectives Independent Curriculum. Drafting factors in the CFA can based on regulations or variables already there is without do EFA analysis (Manzar, et. al., 2021). Research results show that deep loading factor study This is as following:

Implementation two departing policy behind is actions that are often required in context government or business for overcome conflict interest or opposite goals. With implemented two different policies will result exists a dualism and also will difficult perpetrator or the person implementing it policy in the field. Research findings conducted by Asamoah, et. al (2021) show the need for institutions that are responsible for resources and refocus policies by facilitating the relationship between education and social welfare in educational practice. Policies have many views in producing a decision or program that departs from the values believed by the government as the party that decides so that policies often produce values that are not in accordance with what was planned in achieving the initial goals (Hodges et al., 2020).

For current conditions in Indonesia this, approach learning and implementation in the field not yet considered in a way comprehensive and in-depth. With so, the evidence review return need checked return with notes find what causes agreement the not yet can applied in the field for situation it's on the level school. McConnell (2010), points out that strategic disappointment occurs because two p. First, this no implementation, and execution no produce results. So consider it extensive in the public strategy process often only at the level of "definition" of strategy with accept that something approach will walk without help party other. So, highlights main should be at level basic, let's say school this is method best for see is there is regulated police who can investigated at the level school so that previous contamination generally OK, the

goal is for build Indonesian human resources accordingly objective instructions public want to see level improvement and achievement. The approach now has options to influence its goals (Banerjee et al., 2017).

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