

Japanese bicycle production, import and export (January 2013)

1. Japanese bicycle production

According to Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japanese complete bicycle production in January 2013 is 79,022 units, and JPY 3,673 million. Table 1 shows the number of production units is down 18.4%, and the production value is also down 7.1% compared to the same month of 2012. On the other hand, average production unit value in January 2013 is up almost 14% from JPY 40,825 in January 2012 to JPY 46,481.

Table 1
January 2013 Japanese bicycle production

	Total Units	Total Production Value(JPY million)	Average Unit Value(JPY)
Jan. 2013	79,022	3,673	46,481
Jan. 2012	96,876	3,955	40,825
Variance	-17,854	-282	5,656
Variance%	-18.4%	-7.1%	13.9%

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Analysis

Table 2 shows the detail by product categories of Japanese bicycle production during the month of January 2013 compared to the same month of 2012. All the categories appear on the Current Production Statistics Survey show decrease in units, and in value as well except for Miscellaneous.

Table 2
Production by product categories: January 2013 compared to January 2012

Jan.	2013		2012		Variance			
	units	Value(JPY million)	units	Value(JPY million)	units	%	Value (JPY million)	%
Light bicycles	37,830	959	53,834	1,262	-16,004	-29.7	-303	-24.0
Electric power assist	33,738	2,476	35,535	2,501	-1,797	-5.1	-25	-1.0
Miscellaneous	7,454	238	7,507	192	-53	-0.7	46	24.0
Total	79,022	3,673	96,876	3,955	-17,854	-18.4	-282	-7.1

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Analysis

Table 3 shows average production unit value by product categories in January 2013 compared to January 2012. All categories show increase in the average unit value. Especially, "Miscellaneous" shows dramatic increase.

Table 3
Average Unit Value by product categories: January 2013 compared to January 2012

Category	Average Unit Value(JPY) Jan. 2013	Average Unit Value(JPY) Jan. 2012	Variance (JPY)	Variance (%)
Light bicycles	25,350	23,442	1,908	8.1
Electric power assist	73,389	70,381	3,008	4.3
Miscellaneous	31,929	25,576	6,353	24.8
Total	46,481	40,825	5,656	13.9

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Analysis

The survey objects of Current Production Statistics Survey in complete bicycles are place of business which has more than 10 employees. Therefore, part of the very small bicycle manufacturers like hand made frame builders may be excluded from this survey.

As to the product categories, before 2010, there were six categories which consist of "Light bicycles", "Electric power assist bicycles", "Children bicycles and infant bicycles", "Mini-cycles", "Mountain bikes", and "Special purpose cycles". After 2011, "Children bicycles and infant bicycles", "Mini-cycles", "Mountain bikes", and "Special purpose cycles" are combined into "Miscellaneous". Therefore, please note that "Miscellaneous" includes wide range of the products from "Children and infant bicycles" to "Mini-cycles", "Mountain bikes", and sports or race use bicycles such as road bikes.

2. Comprehensive production, shipments and inventory status of the Japanese bicycle manufacturers

Current Production Statistics Survey also shows receipts, shipments (sales and others), and month end inventory of the survey objects as well as production. With these survey results, comprehensive production and sales status of the survey objects can be understood.

Table 4
Production, shipments and inventory of Japanese bicycle manufacturers:
January 2013 compared to January 2012

Category	Production		Receipts (Units)	Shipments			Inventory (Units)
	Units	Value (JPY million)		Sales		Others (Units)	
				Units	Value (JPY million)		
Jan.2013 Light bicycles	37,830	959	129,084	120,853	2,034	44,100	146,973
Jan.2012 Light bicycles	53,834	1,262	150,586	139,906	2,258	57,081	149,732
Variance %	-29.7	-24.0	-14.3	-13.6	-9.9	-22.7	-1.8
Jan. 2013 Electric power assist	33,738	2,476	21,498	28,795	1,971	21,264	26,150
Jan. 2012 Electric power assist	35,535	2,501	24,584	27,186	1,762	23,788	32,116
Variance %	-5.1	-1.0	-12.6	5.9	11.9	-10.6	-18.6
Jan. 2013 Miscellaneous	7,454	238	31,000	29,727	512	7,738	66,244
Jan. 2012 Miscellaneous	7,507	192	43,824	39,343	591	7,628	80,411
Variance %	-0.7	24.0	-29.3	-24.4	-13.4	1.4	-17.6
Jan. 2013 Total	79,022	3,673	181,582	179,375	4,517	73,102	239,367
Jan. 2012 Total	96,876	3,955	218,994	206,435	4,611	88,497	262,259
Variance %	-18.4	-7.1	-17.1	-13.1	-2.0	-17.4	-8.7

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey,
Japan Bicycle Promotion Institute Analysis

According to METI, the definition of survey items of Current Production Statistics Survey is as follows;

Receipt: The quantity of products received by the factories or warehouses of the survey object that produces the same survey commodity items due to the following circumstances:

- a. Purchase from other enterprises (including imports)
- b. Reception from other factories belonging to the same enterprise
- c. The commissioned products and commission-manufactured products received from the consignees (including subcontracted factories)
- d. Returned products

Shipments: The quantity of products actually shipped from the survey object's warehouse or rental warehouse which the survey object mainly uses

Besides, the quantity of products is distinguished as 'Sales' or 'Others' in the following ways:

(Sales)

- a. Products directly sold to distributors or other consumer enterprises
- b. Products shipped to the headquarters/sales offices or relay points for the purpose of selling.
- c. Commissioned products shipped to consigners that are sales dealers (including consumers)
- d. Products shipped to other factories of the same enterprise which are not producing the same survey commodity

(Others)

- a. Products shipped to other factories of the same enterprise which are producing the same products as the survey commodity

- b. Products shipped to other factories of the same enterprise as materials
- c. Products shipped as materials for use in the commissioned products or commission-manufactured products
- d. The commissioned products or commission-manufactured products shipped to the manufacturers (consigners) that are producing the same survey commodity
- e. Products used in-house (equipment investment for an enterprise's own factory, use for samples, use for gifts, use in testing and research)
- f. Products consumed in-house (only in the case of the no consumption survey item)

http://www.meti.go.jp/statistics/tyo/seidou/result/ichiran/resourceData/08_seidou/kakuho/201301/h2daa201301k.pdf (Page 12)

In Table 4, the receipt units show decrease in all categories when compared January 2013 to January 2012. Especially, "Miscellaneous" which includes wide variety type of bicycles decreases dramatically.

When you look at receipt units, please note the difference between production units. In January 2013, total 79,022 bicycles are produced in all categories. This same Current Production Statistics Survey objects receive 181,582 unit bicycles in the same period. This means 2.3 times more bicycles are received than production. Taking the Japanese bicycle industry state into consideration, the most part of the receipts are considered to be import. The difference between receipt units and production units by categories are as follows: Receipt units of "Light bicycles" in January 2013 are 129,084, 3.4 times of production units which are 37,830. Receipt units of "Electric power assist bicycles" are 21,498, 0.64 times of production units which are 33,738. The production share of this category is higher than other categories. Receipts units of "Miscellaneous" in this month are 31,000, 4.2 times of the production units which are 7,454.

With these facts, shipments and inventory data in Current Production Statistics Survey also considered to be important when grasping the full picture of Japanese bicycle industry. Units of shipment sales in January 2013 in all categories are 179,375, 13.1% decrease from the same month of the previous year which were 206,435. Value of shipment sales in all categories in January 2013 compared to the same month of 2012 decreases 2.0%. By categories, units of shipment sales of "Light bicycles" decrease 13.6% compared to the same month of the previous year, and that of "Miscellaneous" also decreases 24.4% compared to January 2012. However, units of shipment sales of "Electric power assist bicycles" increase 5.9% and value of shipment sales of this category also increases 11.9% compared to the same month of 2012.

Units of shipment others in all categories in January 2013 decrease 17.4% compared to the same month of 2012. By categories, "Light bicycles" decrease 22.7% and "Electric power assist bicycles" also decrease 10.6%, however, Units of shipment others of "Miscellaneous" increase 1.4% compared to January 2012.

The month end inventory of January 2013 in all categories is 239,367 units, 8.7% decrease from the same month of 2012 which was 262,259 units. By categories, all types show decrease. "Light bicycles" decrease 1.8%, "Electric power assist bicycles" decrease 18.6%, and "Miscellaneous" decreases 17.6% respectively.

Table 3 and Table 4 show that average production unit value increases in January 2013 compared to the same month of 2012 among the Current Production Statistics Survey objects. However, production units and receipts units including import both show decrease, and inventory units decreases accordingly. At the same time, you can see that except for "Electric power assist bicycles", the pace of the decrease of the Inventory units is not fast enough compared to the pace of the decrease of the production and receipts units.

Table 5 shows an eight year history of the month of January Japanese bicycle production, shipments and inventory from 2006 to 2013.

Table5
Eight year history of bicycle production, shipments and inventory by
Japanese bicycle manufacturers: Month of January

Year	Production			Shipments			Inventory (Units)
	Units	Value(JPY million)	Average Unit Value(JPY)	Units	Value(JPY million)	Average Unit Value(JPY)	
2013	79,022	3,673	46,481	179,375	4,517	25,182	239,367
2012	96,876	3,955	40,825	206,435	4,611	22,336	262,259
2011	86,445	3,335	38,579	205,382	4,486	21,842	207,598
2010	93,923	3,182	33,879	198,342	4,048	20,409	233,615
2009	96,944	2,921	30,131	211,496	4,064	19,215	229,365
2008	97,728	2,026	20,731	245,311	3,648	14,871	227,599
2007	99,537	1,945	19,540	242,020	3,229	13,342	246,016
2006	124,909	2,202	17,629	270,665	3,319	12,262	266,527

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey,
Japan Bicycle Promotion Institute Analysis

Production units in January 2013 is the lowest in the eight year history, however, production value in this month is the second highest in this history. With these facts, the average production unit value shows steady increase in the last eight years; make the January 2013 production average unit value highest in the last eight years. Also, shipments units are the lowest in eight years, but shipments value in January 2013 is the second highest, make the average shipments unit value in January 2013 highest in eight years as average production unit value. When compared average production unit value to average shipments unit value, average production unit value has been higher than average shipments unit value for eight consecutive years. This indicates shipments include receipts, and some part of the receipts is import. Month end inventory of January 2013 is fourth highest in the last eight years, which is about the middle of the history. As previously mentioned, the pace of the decrease of the inventory units is not fast enough compared to the pace of the decrease of the production and receipts units; however, please note that the month end inventory of January 2012 was the second highest in the eight year history.

3. Japanese bicycle import

Table 6 shows Japanese bicycle import of all product categories in January 2013 compared to the same month of 2012. Total units substantially decrease by 14.9%, but total CIF value increases slightly, resulted in average CIF unit value dramatic 17.6% increase from JPY8,760 in January 2012 to JPY10,301 in January 2013.

Table 6
Japanese bicycle import: January 2013 compared to January 2012

	Total units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
Jan. 2013	646,439	6,659,024	10,301
Jan. 2012	759,838	6,656,269	8,760
Variance	-113,399	2,755	1,541
Variance %	-14.9	0.0	17.6

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

Table 7 shows January 2013 Japanese bicycle import by import category.

Table 7
Japanese bicycle import in January 2013 by import category

HS number and category	Units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
8712.00100 Mountain bikes	15,370	319,703	20,800
8712.00211 Mini-cycles	6,871	133,840	19,479
8712.00218 Infant bicycles	40,739	220,723	5,418
8712.00219 Children bicycles	126,944	974,420	7,676
8712.00291 Light bicycles	283,312	2,705,431	9,549
8712.00299 Miscellaneous	173,203	2,304,907	13,308
Total	646,439	6,659,024	10,301

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

The unit volume of HS8712.00100 “Mountain bikes” is rather small 15,370. However, the average CIF unit value is JPY 20,800, highest among the six import categories. The unit volume of HS8712.00211 “Mini-cycles” is 6,871, the smallest among the import categories, but its average CIF unit value is JPY 19,479 the second highest. This suggests that expensive small wheel bicycles are included in this category. The unit volume of HS8712.00291 “Light bicycles” captures the largest share which is 44% of all import unit volume of this month, and its average CIF unit value is JPY 9,549. Both the unit volume and total CIF value of HS8712.00299 “Miscellaneous” which includes sports use bicycles and light bicycles equipped with outer derailleur are the second highest, and its average CIF unit value is JPY 13,308.

HS number and import categories are classified as follows;

Table 8
Import categories and HS numbers

HS number and product category	Bicycle type
8712.00100 Mountain bikes	<ul style="list-style-type: none"> • MTB(includes V brake or disk brake equipped) • Cross bikes
8712.00211 Mini-cycles	<ul style="list-style-type: none"> • Mini-cycles • Small wheel foldable bicycles • BMX
8712.00218 Infant bicycles	<ul style="list-style-type: none"> • Infant bicycles(12 – 16 inch) • Toy bicycles(12 inch two wheel) • Unicycles(12 – 16 inch)
8712.00219 Children bicycles	<ul style="list-style-type: none"> • Children bicycles(18 – 24 inch) • Junior MTB(18 – 24 inch) • Unicycles(18 – 24 inch)
8712.00291 Light bicycles	<ul style="list-style-type: none"> • Light bicycles(excludes outer derailleur equipped) • Single speed, sports use bicycles equipped with inner derailleur.
8712.00299 Miscellaneous	<ul style="list-style-type: none"> • Sports use bicycles • Light bicycles equipped with outer derailleur • Junior MTB(26 inch)

Source : Japan Bicycle Promotion Institute

Table 9 shows January 2013 Japanese bicycle import by categories compared to the same month of 2012.

Table 9
January 2013 Japanese bicycle import by categories compared to January 2012

January	2013		2012		Variance %	
	units	Total CIF value (JPY thousand)	units	Total CIF value (JPY thousand)	units	CIF value
8712.00100 Mountain bikes	15,370	319,703	26,039	541,872	-41.0%	-41.0%
8712.00211 Mini-cycles	6,871	133,840	6,769	71,192	1.5%	88.0%
8712.00218 Infant bicycles	40,739	220,723	45,325	212,809	-10.1%	3.7%
8712.00219 Children bicycles	126,944	974,420	158,149	1,066,109	-19.7%	-8.6%
8712.00291 Light bicycles	283,312	2,705,431	325,562	2,550,243	-13.0%	6.1%
8712.00299 Miscellaneous	173,203	2,304,907	197,994	2,214,044	-12.5%	4.1%
Total	646,439	6,659,024	759,838	6,656,269	-14.9%	0.0%
Average unit price (JPY)		10,301		8,760		17.6%

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

All categories, except for “Mini-cycles” which increases slightly, decrease in units. Especially, “Mountain bikes” shows substantial 41% decrease. Total CIF value of “Mountain bikes” also decreases 41%, and Total CIF value of “Children bicycles” decreases 8.6%. On the other

hand, “Mini-cycles” which shows increase in unit volume also shows very dramatic 88% increase in total CIF value. Total CIF value of “Infant bicycles”, “Light bicycles” and “Miscellaneous” also show increase.

Table 10 shows a thirteen year history of January Japanese bicycle import.

Table 10
Thirteen-year history of January Japanese bicycle import: All categories

year	Total import units	Total CIF value (JPY thousand)	Average CIF unit value(JPY)
2013	646,439	6,659,024	10,301
2012	759,838	6,656,269	8,760
2011	661,234	5,456,743	8,252
2010	529,116	4,784,963	9,043
2009	631,533	5,910,431	9,359
2008	679,048	6,057,705	8,921
2007	613,892	5,278,693	8,599
2006	602,545	4,655,723	7,727
2005	541,343	3,714,456	6,862
2004	556,120	3,460,642	6,223
2003	504,267	3,627,442	7,193
2002	462,594	3,577,110	7,733
2001	402,134	3,123,522	7,767

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

Total import units in January 2013 ranks fourth in the thirteen year history. And total CIF value of January 2013 is slightly more than that of January 2012, hits the record high in the thirteen year history, resulted in the highest Average CIF unit value in the thirteen year history of JPY 10,301, much higher than the previous record high of JPY 9,359 in January 2009.

Table 11 shows a thirteen year history of January Japanese bicycle unit import by categories.

Table 11
Thirteen-year history of January Japanese bicycle unit import by categories

year	8712.00100 Mountain bikes	8712.00211 Mini-cycles	8712.00218 Infant bicycles	8712.00219 Children bicycles	8712.00291 Light bicycles	8712.00299 Miscellaneous	Total
2013	15,370	6,871	40,739	126,944	283,312	173,203	646,439
2012	26,039	6,769	45,325	158,149	325,562	197,994	759,838
2011	15,116	6,273	44,729	151,586	299,958	143,572	661,234
2010	19,208	7,034	27,077	115,519	262,436	97,842	529,116
2009	27,554	9,991	34,575	124,238	321,740	113,435	631,533
2008	24,347	13,150	36,919	135,706	362,860	106,066	679,048
2007	19,123	13,940	40,356	119,914	342,663	77,896	613,892
2006	34,224	26,517	55,762	111,393	287,535	87,114	602,545
2005	56,544	16,733	41,019	95,712	260,381	70,954	541,343
2004	62,422	22,271	55,009	100,383	263,234	52,801	556,120
2003	58,128	18,464	59,963	89,747	226,262	51,703	504,267
2002	70,465	32,676	58,411	89,293	163,958	47,791	462,594
2001	66,306	22,807	64,653	61,360	143,903	43,105	402,134

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

In January 2013, 15,370 units “Mountain bikes” are imported. It is slightly more than the January 2011 import units of 15,116. But it is the second lowest number. The import units of “Mini-cycles” are also the third lowest. The import units of “Infant bicycles” in January 2013 are the fifth lowest; however, the import unit volume of “Children bicycles” in January 2013 is 126,944, fourth in the thirteen year history. Even the birth rate is declining in Japan, these import volume of “Infant” and “Children bicycles” seem to be doing better than expected when compared to the slow pace import of “Mountain bikes” and “Mini-cycles”. Import unit volume of “Light bicycles” in January 2013 is seventh in the thirteen year history, ranks in the middle. Also, the import unit volume of “Miscellaneous” ranks the second in the thirteen year history which indicates that the import of sports use bicycles in this category is strong.

Table 12 shows source countries and areas of January 2013 Japanese bicycle import.

Table 12
Main source countries and areas of Japanese bicycle import in January 2013

Source country/area	Total units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
China	620,032	5,616,336	9,058
Taiwan	21,606	851,402	39,406
Cambodia	3,410	110,613	32,438
Indonesia	739	14,285	19,330
UK	209	15,186	72,660
Czech	200	6,570	32,850
USA	160	33,860	211,625
Others	83	10,772	129,783
Total	646,439	6,659,024	10,301

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

There is no question about the status of China as the biggest source country. It captures 96% of total import units and 84% of total CIF value of January 2013 Japanese bicycle

import. Taiwan follows China, capturing 3.3% of total import units and 12.8% of total CIF value of January 2013 Japanese bicycle import. Taiwan's average CIF unit value in this month is JPY 39,406, 4.4 times of China's average CIF unit value. 3,410 units bicycle are imported from Cambodia, and its average CIF unit value is close to the Taiwanese average CIF unit value. The detailed investigation of the import statistics shows that this Cambodian bicycle import is classified as "Miscellaneous" which includes sports use bicycles and "Light bicycles" equipped with outer derailleurs. Although the number of the units is not big, high-end bicycles are imported from the United States. Most of the source countries and areas of "Others" are European countries; make the Average CIF unit value higher.

4. Domestic unit volume

Almost all of the Japanese bicycle export is used bicycle export to developing countries. Therefore, production units plus import units can be defined as domestic unit volume. Table 13 shows an eight year history of January domestic unit volume. The domestic unit volume of January 2013 seems to be within the standard level. What stand out are the large unit volume of January 2012 and the small unit volume of January 2010. Domestic production ratio is added for reference, and it has been long time since Japanese bicycle production decreased. Table 13 also shows that the domestic production ratio continues to decrease since 2006 except for 2010. However, as previously stated, because a lot of Japanese bicycle manufacturers import bicycles at the same time, this ratio does not directly represent the position of the Japanese bicycle manufacturers in the whole market.

The bicycle classification is different between METI's Current Production Statistics Survey and MOF's Trade Statistics of Japan. Especially, "Electric power assist bicycles" is appeared in the Current Production Statistics Survey; however, there is only a classification "Other" under the category of "Motorcycles" and no classification is made about "Electric power assist bicycles" in the Trade Statistics of Japan. Table 4 shows that a significant number of "Electric power assist bicycles" is received in addition to the production. Please note that there is no way to catch and classify the import of "Electric power assist bicycles" from the statistics at this time.

Table 13
Eight-year history of January Japanese bicycle domestic unit volume

year	Unit production	Unit import	Domestic unit volume	Domestic production ratio %
2013	79,022	646,439	725,461	10.9
2012	96,876	759,838	856,714	11.3
2011	86,445	661,234	747,679	11.6
2010	93,923	529,116	623,039	15.1
2009	96,944	631,533	728,477	13.3
2008	97,728	679,048	776,776	12.6
2007	99,537	613,892	713,429	14.0
2006	124,909	602,545	727,454	17.2

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey,
Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

5. Japanese bicycle export

As previously stated, almost all of the Japanese bicycle export is used bicycle export to developing countries. Table 14 shows main destination countries and areas of Japanese bicycle export in January 2013. Average FOB unit value clearly proves that the bicycle export is used bicycle export.

Table 14
Japanese bicycle export of January 2013 by destination countries and areas

Destination country/area	Total units	Total FOB value (JPY thousand)	Average FOB unit value(JPY)
Ghana	68,445	88,633	1,295
Cambodia	31,502	38,827	1,233
Myanmar	29,743	30,658	1,031
Thailand	20,421	25,099	1,229
Tanzania	9,338	12,582	1,347
Hong Kong	9,337	10,859	1,163
Iran	8,969	7,798	869
Philippines	7,133	8,803	1,234
UAE	5,977	8,791	1,471
Nigeria	5,106	7,645	1,497
Others	11,707	17,677	1,510
Total	207,678	257,372	1,239

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

Table 15 shows a thirteen year history of January Japanese bicycle export from 2001 to 2013. Total units are steadily increasing. Total FOB value is also increasing accompanied with the increase of the total units; however, average unit value does not show big changes except for the increase in 2008 and 2009.

Table 15
Thirteen-year history of January Japanese bicycle export: All categories

year	Total units	Total FOB value (JPY thousand)	Average FOB unit value(JPY)
2013	207,678	257,372	1,239
2012	201,579	262,389	1,302
2011	176,060	233,747	1,328
2010	193,770	251,504	1,298
2009	120,274	178,650	1,485
2008	193,768	319,984	1,651
2007	121,113	141,662	1,170
2006	87,681	95,172	1,085
2005	65,333	72,928	1,116
2004	63,461	77,778	1,226
2003	43,939	52,469	1,194
2002	40,757	54,174	1,329
2001	25,488	35,388	1,388

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,
Japan Bicycle Promotion Institute Analysis

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