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聲母

b比	p并	p并m文	
EE3		E3	[]]
d大	t 天	n 乃	1力
EE	EB	III	III
z止	c此	sД	j央
[]]	EB	EB	EB
gЦ	k ⊟	hЬ	ng XX
[]]	£=3	III	EB
gw 古	kw 夸	w禾	m/ng ±1.
[]]	III	[]	

韻母

		-i	-u	-m	-n	-ng	-р	-t	-k
/aa/	aa	aai	aau	aam	aan	aang	aap	aat	aak
	乍	介	亏	多	万	生	甲	压	百
/a/		ai	au	am	an	ang	ap	at	ak
		兮	久	今	굸	亙	+	乜	仄
/e/	e	ei	eu	em	en	eng	ep	et	ek
	旡	Л	了	壬	円	正	夾	叐	尺
/i/	i		iu	im	in	ing	ip	it	ik
	子		么	欠	千	丁	頁	必	夕
/o/	o	oi	ou		on	ong		ot	ok
	个	丐	冇		干	王		匃	乇
/u/	u	ui			un	ung		ut	uk
	乎	会			本	エ		末	玉
/oe/	oe					oeng			oek
	居					丈			勺
/eo/		eoi			eon			eot	
		句			开			兀 朮	
/yu/	yu				yun			yut	
	令				元			乙	

表 1.1: 韻母

1	2	3	4	5	6
斈、斈	<u>字</u>	<b>学</b>	<b>孝</b> 、孝"	斈'	斈
表示、表示	敖云	热	夫云 <b>¯、</b> 夫云 <b>"</b>	抗	耘
分	粉	訓	墳	憤	份

坊間漢羅混用  漢字已整理版	漢字粤切字混用   漢字粤切字混月   (未組裝)   (已組裝)
中國	答

# (自序)

これは漢字の例です。

ひらがな

# 2.1 漢字と平仮名

この文章は、日本語を練習するためのサンプルです。

The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

바 The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

朕惟フニ我カ皇祖皇宗國ヲ肇ムルコト宏遠ニ德ヲ樹ツルコト深厚ナリ我カ臣民克ク忠ニ克ク孝ニ億兆心ヲーニシテ世世厥ノ美ヲ濟セルハ此レ我カ國體ノ精華ニシテ教育ノ淵源亦實ニ此ニ存ス爾臣民父母ニ孝ニ兄弟ニ友ニ夫婦相和シ朋友相信シ恭儉己レヲ持シ博愛衆ニ及ホシ學ヲ修メ業ヲ習ヒ以テ智能ヲ啓發シ德器ヲ成就シ進テ公益ヲ廣メ世務ヲ開キ常ニ國憲ヲ重シ國法ニ遵ヒー旦緩急アレハ義勇公ニ奉シ以テ天壤無窮ノ皇運ヲ扶翼スヘシ是ノ如キハ獨リ朕カ忠良ノ臣民タルノミナラス又以テ爾祖先ノ遺風ヲ顯彰スルニ足ラン斯ノ道ハ實ニ我カ皇祖皇宗ノ遺訓ニシテ子孫臣民ノ俱ニ遵守スヘキ所之ヲ古今ニ通シテ謬ラス之ヲ中外ニ施シテ悖ラス朕爾臣民ト俱ニ拳々服膺シテ咸其德ヲーニセンコトヲ庶幾フ以呂波耳本部止千利奴流乎和加餘多連曽津祢那良牟有為能於久耶万計不己衣天阿佐伎喩女美之恵比毛勢須

諸行無常 是生滅法 生滅滅已 寂滅為楽

Shogyō mujō Zeshō meppō Shōmetsu metsui Jakumetsu iraku いろはにほへと Iro fa nifofeto 色は匂えど Iro wa nioedo 1-7 Even the blossoming flowers [Colors are fragrant, but they] ちりぬるを Tirinuru wo 散りぬるを Chirinuru o 8-12 Will eventually scatter わかよたれぞ Wa ka yo tare so 我が世誰ぞ Wa ga yo tare zo 13-18 Who in our world つねならむ Tune naramu 常ならん Tsune naran 19-23 Shall always be? (= つねなろう) うゐのおくやま Uwi no okuyama 有為の奥山 Ui no okuyama 24-30 The deep mountains of karma—けふこえて Kefu koyete 今日越えて Kyō koete 31-35 We cross them today あさきゆめみし Asaki yume misi 浅き夢見じ Asaki yume miji 36-42 And we shall not have superficial dreams ゑひもせす Wefi mo sesu 酔いもせず Ei mo sezu¹ Yoi mo sezu 43-47 Nor be deluded

# 2.2 Background

This is the first section in the chapter.

#### **2.2.1 History**

This is the subsection under "Background."

#### **Ancient History**

This is a subsubsection under "History."

**Key Events** This is a paragraph under "Ancient History."

**Event Details** This is a subparagraph under "Key Events."

語云:知多世事胸襟濶,識透人情眼界寬。知識兩字,由於自己之想象而明,亦由聞人之談論而得也。嘗見街頭巷尾月下燈前,閒坐成群,未嘗無語,但所論多無緊要之事,未足以有補身心。或有談及因果報應,則有聽有不聽焉,且有抽身而去者矣。非言語不通,實事情未得趣也。惟講得有趣,方能入人耳、動人心,而留人餘步矣。善打鼓者,多打鼓邊;善講古者,須談別致。講得深奧,婦孺難知,惟以俗情俗語之說通之,而人皆易曉矣,且津津有味矣。誦讀之暇,採古事數則,有時說起,聽者忘疲。因付之梓人,以備世之好言趣致者。

語云:知多世事胸襟濶,識透人情眼界寬。知識兩字,由於自己之想象而明,亦由聞人之談論而得也。嘗見街頭巷尾月下燈前,閒坐成群,未嘗無語,但所論多無緊要之事,未足以有補身心。或有談及因果報應,則有聽有不聽焉,且有抽身而去者矣。非言語不通,實事情未得趣也。惟講得有趣,方能入人耳、動人心,而留人餘步矣。善打鼓者,多打鼓邊;善講古者,須談別致。講得深奧,婦孺難知,惟以俗情俗語之說通之,而人皆易曉矣,且津津有味矣。誦讀之暇,採古事數則,有時說起,聽者忘疲。因付之梓人,以備世之好言趣致者。

# | Mathematical Formulae

## **Quadratic Formula**

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

#### **Geometric Summation**

$$S_n = a \frac{1 - r^n}{1 - r} \quad \text{for } r \neq 1$$

#### **Definition of e**

$$e = \lim_{n \to \infty} \left( 1 + \frac{1}{n} \right)^n$$

## Taylor Series for sin(x) and cos(x)

$$\sin(x) = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \cdots$$

$$\cos(x) = 1 - \frac{x^2}{2!} + \frac{x^4}{4!} - \frac{x^6}{6!} + \cdots$$

#### **Green's Theorem**

$$\oint_C (P \, dx + Q \, dy) = \iint_D \left( \frac{\partial Q}{\partial x} - \frac{\partial P}{\partial y} \right) \, dA$$

### **Maxwell's Equations**

$$\nabla \cdot \mathbf{E} = \frac{\rho}{\epsilon_0}$$
 (Gauss's law for electricity)

 $\nabla \cdot \mathbf{B} = 0$  (Gauss's law for magnetism)

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$$
 (Faraday's law of induction)

$$\nabla \times \mathbf{B} = \mu_0 \mathbf{J} + \mu_0 \epsilon_0 \frac{\partial \mathbf{E}}{\partial t}$$
 (Ampère's law with Maxwell's correction)

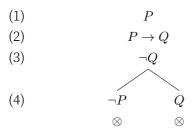
## **General Theory of Relativity**

$$R_{\mu\nu} - \frac{1}{2}g_{\mu\nu}R + g_{\mu\nu}\Lambda = \frac{8\pi G}{c^4}T_{\mu\nu}$$

### Gödel's Incompleteness Theorem

Any consistent formal system that is expressive enough to encode arithmetic contains true but unprovable statements.

Sed ut perspiciatis, unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam eaque ipsa, quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt, explicabo. Nemo enim ipsam voluptatem, quia voluptas sit, aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos, qui ratione voluptatem sequi nesciunt, neque porro quisquam est, qui dolorem ipsum, quia dolor sit amet consectetur adipisci[ng] velit, sed quia non numquam [do] eius modi tempora inci[di]dunt, ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum[d] exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? [D]Quis autem vel eum i[r]ure reprehenderit, qui in ea voluptate velit esse, quam nihil molestiae consequatur, vel illum, qui dolorem eum fugiat, quo voluptas nulla pariatur?



- (1)  $(P \wedge Q) \rightarrow R)$  Premise
- (2)  $\neg (P \rightarrow (Q \rightarrow R))$  Negated conclusion
- (3) P from (2)
- (5)  $\neg R$  From (4)
- (6)  $\neg (P \land Q)$  R Alternatives from (1)
- (7)  $\neg P \quad \neg Q$   $\otimes$  Alternatives from (7)
- (1)  $((P \land Q) \lor R)$  Premise
- (2)  $\neg\neg(\neg P \lor \neg R)$  Negated conclusion
- (3)  $(\neg P \lor \neg R)$  From 2
- (4)  $P \wedge Q$  R Alternatives from 1
- $\begin{array}{c|c} (5) & P & \text{from 4} \\ (6) & Q & \text{From 4} \end{array}$
- (7)  $\neg P \quad \neg R \quad \neg P \quad \neg R$  Alternatives from (3)
- (1)  $\neg (P \land Q)$  Premise

5

- (2)  $Q \wedge R$  Premise (3)  $\neg \neg P$  Premise
- (4)  $\neg P \quad \neg Q$  From 1,  $\neg (\Phi \land \Psi)$ (5)  $\otimes Q$  From 2,  $\Phi \land \Psi$
- (6)  $\otimes$   $\otimes$   $\otimes$  FIOH 2,  $\Psi \land \Psi$   $\otimes$  4,5

$$\begin{array}{c|c}
1 & A \\
2 & B \\
3 & A \\
4 & B \rightarrow A \\
5 & A \rightarrow (B \rightarrow A)
\end{array}$$

# X Recitables

I have of late, (but wherefore I know not) lost all my mirth, forgone all custom of exercises; and indeed, it goes so heavily with my disposition; that this goodly frame the earth, seems to me a sterile promontory; this most excellent canopy the air, look you, this brave o'er hanging firmament, this majestical roof, fretted with golden fire: why, it appeareth no other thing to me, than a foul and pestilent congregation of vapours. What a piece of work is a man, How noble in reason, how infinite in faculty, In form and moving how express and admirable, In action how like an Angel, In apprehension how like a god, The beauty of the world, The paragon of animals. And yet to me, what is this quintessence of dust? Man delights not me; no, nor Woman neither; though by your smiling you seem to say so.