Errata of Discrete Mathematics by L. Lovász, J. Pelikán and K. Vesztergombi

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2 **36** **162**	**Venue:** Page 2 line -9, Page 36 line 7 and Page 162 line 14 **Text:** "… then …" **Correction:** "… than …" .
4	**Venue:** 7 lines above **1.1.2** **Text:** "Bob is youngest, …" **Correction:** "Bob is **the** youngest, …" .
4	**Venue:** One line above **1.1.2** **Text:** "happy note **we** leave the party." **Correction:** "happy note **they** leave the party." .
4	**Venue:** Last line **Text:** "… denote by Z; …" **Correction:** "… denoted by Z; …" .
6	**Venue:** Line -17 **Text:** "(since we also have $x \in C$) …" **Correction:** "(since we also have $x \in A$) …" .
6	**Venue:** Line -10 **Text:** "… that $A \cap (B \cup C)$ …" **Correction:** "… that $x \in A \cap (B \cup C)$ …" .
13	**Venue:** Line 5 **Text:** "… the number of these numbers **in** 2^n …" **Correction:** "… the number of these numbers **is** 2^n …" .
19	**Venue:** 4 lines above **Theorem 1.7.1** **Text:** "… chosen from **among** …" **Correction:** "… chosen from …" .
27	**Venue:** 5 lines above **2.1.1** **Text:** "… *if* $\geqslant 1$ …" **Correction:** "… *if* $n>1$ …" .
28, 47 **107** **153** **165** **197**	**Venue:** Page 28, 4 lines above **2.1.6**, Page 47 line 8 under **3.3.3**, Page 107 line 9 under 6.8, Page 153 line 30, Page 165 line -4 and Page 197 line 4 **Text:** "… this way …" **Correction:** "… **in** this way …" .
33	**Venue:** Line 1 **Text:** "… records picture …" **Correction:** "… records **the** picture …" .
34	**Venue:** Line 12 **Text:** "… then 5- and 3 times …" **Correction:** "… then 5 and 3 times …" .
35	**Venue:** Line 2 in **Exercise** **Text:** "… quite **a** good shot, …" **Correction:** "… quite good shot**s**, …" .

36 **54** **62**	**Venue:** Page 36 line 5, Page 54 line 10 in 3.7 and Page 62 **3.8.5** **Text:** "… largest …" **Correction:** "… **the** largest …" .
37	**Venue:** Line 1 **Text:** "assumption**s**, …" **Correction:** "assumption, …" .
37	**Venue:** Line -8 **Text:** "… the professor's chance**s**. …" **Correction:** "… the professor's chance. …" .
49	**Venue:** Line 3 in **3.4.3** **Text:** "… lo**o**se …" **Correction:** "… lose …" .
58	**Venue:** Figure 3.5 **Correction:** Move the Gauss curve to the left by 50 units and 10^{29} should be **1** in the left figure.
60	**Venue:** Line 2 **Text:** "C(2**n**,m)/C(2m,m-t); …" **Correction:** "C(2**m**,m)/C(2m,m-t); …" .
60	**Venue:** Line 8 **Text:** "value of *t*) the quotient …" **Correction:** "value of *t*) **the reciprocal of** the quotient …" .
60 **70** **83** **191**	**Venue:** Page 60, 4 lines above **Lemma 3.8.1**; Page 70 **4.2.6** (a); Page 83, line 2 of the 3rd paragraph in 5.4 and Page 191, line 5 **Text:** "… th**a**n …" **Correction:** "… th**e**n …" .
61	**Venue:** Line 4 in **Proof** **Text:** "Let us denote … by ***A*** … by ***B***." **Correction:** "Let us denote … by ***B*** … by ***A***." .
61	**Venue:** Line -5 **Text:** "for every $i \geqslant 0$." **Correction:** "for every $i>0$." .
66	**Venue:** Line 4 **Text:** "… each month**s** …" **Correction:** "… each month …" .
67	**Venue:** 7 lines above **4.1.2** **Text:** "… Does this mean**s** …" **Correction:** "… Does this mean …" .
69	**Venue:** Line 3 in **4.2.4** **Text:** "recurrence (4.1) remain valid. …" **Correction:** "recurrence (4.1) remain**s** valid. …" .
73	**Venue:** Line -6 **Text:** "… gives new kind of …" **Correction:** "… gives **a** new kind of …" .
78	**Venue:** **5.1.1**

	Text: "… corresponds to?" **Correction:** "… correspond to?" .
79	**Venue:** Line -4 **Text:** "… =P(*H*)P(***E***)," **Correction:** "… =P(*H*)P(***K***)," .
83	**Venue:** 3 lines above 5.4 **Text:** "… < 2^{2m}…" **Correction:** "… < 2^{2m-1}…" .
85	**Venue:** **5.4.5** (a) **Text:** "The first coin flip was heads; …" **Correction:** "The first coin flip was head; …" .
96	**Venue:** 12 lines above **6.4.1** **Text:** "week statement; …" **Correction:** "weak statement; …" .
100	**Venue:** **6.6.7** (b) **Text:** "… a^2=(***b***-***c***)(*b*+*c*) … ***b***-***c***)/2 …" **Correction:** "… a^2=(***c***-***b***)(*b*+*c*) … (*c*-*b*)/2 …" .
101	**Venue:** Line 15 **Text:** "… and the remain nonnegative …" **Correction:** "… and they remain nonnegative …" .
101	**Venue:** Lines 19 and 21 **Text:** "… step **3** … at step **2** …" **Correction:** "… step **2** … at step **3** …" .
103	**Venue:** Line 10 **Text:** "Algorithm is longest …" **Correction:** "Algorithm is **the** longest …" .
103	**Venue:** **6.6.12** **Text:** "…; if *a* is even, and *b* …" **Correction:** "…; if ***ab*** is even, and **without loss of generality assume** *b* …" .
104	**Venue:** Line 13 **Text:** "… that is smaller that …" **Correction:** "… that is smaller than …" .
107	**Venue:** Line 2 in **6.7.5** **Text:** "… *u*≡***y*** …" **Correction:** "… *u*≡***v*** …" .
111	**Venue:** Line 6 **Text:** "… *u* ad *v* …" **Correction:** "… *u* and *v* …" .
113	**Venue:** 2 lines above (6.6) **Text:** "Instead of dividing equation (6.**4**) …" **Correction:** "Instead of dividing equation (6.**5**) …" .
117	**Venue:** Line 12 under 6.10 **Text:** "…, then we have to **to** try out…" **Correction:** "…, then we have to try out …" .

117	**Venue：** Line -5 **Text：**“… 2^6=62, …” **Correction：**“… 2^6=64, …” .
119	**Venue：** Line 17 **Text：**“… a = 3 …” **Correction：**“… a = 2 …” .
134	**Venue：** Line 2 in **7.2.10** **Text：**“… g …” **Correction：**“… G …” .
138	**Venue：** Line 5 **Text：**“not pass through e …” **Correction：**“not pass through e’ …” .
138 **160**	**Venue：** Page 138 line 11 and Page 160 line 12 **Text：**“Sooner of later …” **Correction：**“Sooner or later …” .
139	**Venue：** FIGURE 7.13 **Text：** **Correction：** Add a node on the right pentagon in the dodecahedron.
140	**Venue：** **7.3.5** **Text：**“… exists …” **Correction：**“… exist …” .
145	**Venue：** Line 2 under Figure 8.2 **Text：**“… most …” **Correction：**“… the most …” .
148	**Venue：** (8.1) **Text：** $a_{29} = a_{92} = 0$ **Correction：** $a_{29} = a_{92} = 1$.
149	**Venue：** Line 1 **Text：**“… $\log_2 n$ …” **Correction：**“… about $\log_2 n$ …” .
150 **157**	**Venue：** Page 150 line 20 and Page 157 line -1 **Text：**“… smallest” **Correction：**“… the smallest” .
153	**Venue：** Line 7 **Text：**“… Figure 8.3. …” **Correction：**“… Figure 8.3). …” .
153	**Venue：** Line 17 **Text：**“… each labeled tree …” **Correction：**“… each unlabeled tree …” .
156	**Venue：** **8.5.11** **Text：**“… if …” **Correction：**“… of …” .
159	**Venue：** One line above FIGURE 9.1 **Text：**“… optimal.”

	Correction：“… **the** optimal.”.
166	**Venue：** Line 8 **Text：**“As before, it is good idea …” **Correction：**“As before, it is **a** good idea …”.
169	**Venue：** Line 3 in **Proof** **Text：**“… satisfying this condition**s** …” **Correction：**“… satisfying this condition …”.
169	**Venue：** Line 5 below **Theorem 10.3.1** **Text：**“… “right**,”** …” **Correction：**“… “right**”,** …”.
172	**Venue：** Line 18 **Text：**“… the number of it neighbors …” **Correction：**“… the number of it**s** neighbors …”.
172	**Venue：** Line -8 **Text：**“… **w**e …” **Correction：**“… **W**e …”.
174	**Venue：** Line 25 **Text：**“… we already know …” **Correction：**“… we already know **that** …”.
176	**Venue：** Review Exercise 10.4.7 **Text：**“… nonempty subset A …” **Correction：**“…nonempty **proper** subset A …”.
178	**Venue：** Line 3 in **10.4.13** **Text：**“… (**b**) …” **Correction：**“… (**c**) …”.
180	**Venue：** Line -3 **Text：**“… **are** used to …” **Correction：**“… **is** used to …”.
183	**Venue：** Line 5 **Text：**“… “young Gauss**’** …” **Correction：**“… “young Gauβ**”** …”.
183	**Venue：** Line -3 **Text：**“(**i**t it is, …” **Correction：**“(**if** it is, …”.
190	**Venue：** Line 7 **Text：**“**’** ‘country” …” **Correction：**“**“**country” …”.
190	**Venue：** FIGURE 12.1 **Text：**“… (including the se**e**), …” **Correction：**“… (including the se**a**), …”.
190	**Venue：** Line -7 **Text：**“later why **are we** …” **Correction：**“later why **we are** …”.
196	**Venue：**

	Text: **Correction:** Delete all since **12.3.8** is same with **12.3.3**.
200	**Venue:** Line 13 below FIGURE 13.4 **Text:** "… by circles the" **Correction:** "… by circles **in** the" .
201	**Venue:** Line 7 in **Proof** **Text:** "***u***…" **Correction:** "***a*** …" .
206	**Venue:** Line 20 **Text:** "… the refuted …" **Correction:** "… the**n** refuted …" .
207	**Venue:** Line 5 **Text:** "… "triangles**,"** …" **Correction:** "… "triangles**",** …" .
220	**Venue:** Line 4 in **14.2.3** **Text:** "… How may …" **Correction:** "… How ma**n**y …" .
225	**Venue:** **14.4.1** **Text:** "… for **for** …" **Correction:** "… for …" .
240	**Venue:** Line 16 **Text:** "… But alas**!**, …" **Correction:** "… But alas, …" .
241	**Venue:** Line -11 **Text:** "… here P stand for …" **Correction:** "… here P stand**s** for …" .
247	**Venue:** Line -5 **Text:** "… divisor …" **Correction:** "… divisor **of** …" .
248	**Venue:** Line 11 **Text:** "divid**ing** …" **Correction:** "divid**ed** …" .
250	**Venue:** Line -3 **Text:** "… back and for**ce** …" **Correction:** "… back and for**th** …" .
252	**Venue:** **1.2.12.** **Text:** "**6,** 9, 10, 14." **Correction:** "9, 10, 14." .
254	**Venue:** **2.1.6.** **Text:** "… =**(***n*/2-1**)**+*n*/2= …" **Correction:** "… =*n*/2+1+*n*/2= …" .
256	**Venue:** The denominator of the last term in line 2 of **3.2.1.** **Text:** "n_{k-1}!(n-n_1-…-n_k)!" **Correction:** "n_k!(n-n_1-…-n_k)!" .

257	**Venue：** **3.2.2.** (b) **Text：**“$n(n\text{-}1)\ldots(n\text{-}k\text{+}1)$” **Correction：**“$n(n\text{-}1)\ldots(n\text{-}k\text{+}2)$”.
259	**Venue：** Line 4 **Text：**“… <0.” **Correction：**“… $\leqslant 0$.”.
262	**Venue：** Lines 3 and 4 in **4.2.8.** **Text：**“$F_{ka}=F_{(k-1)a}F_{a-1}+F_{(k-1)a+1}F_a$ … divisible by F_a.” **Correction：**“$F_{km}=F_{k(m-1)}F_{k-1}+F_{k(m-1)+1}F_k$ … divisible by F_k.”.
263	**Venue：** Line 5 in **4.3.1.** **Text：**“… + …” **Correction：**“… - …”.
263	**Venue：** Line 3 in **4.3.2.** **Text：**“$L_1=1=a+b$, $L_2=3=\ldots$” **Correction：**“$L_0=2=a+b$, $L_1=1=\ldots$”.
263	**Venue：** Line 5 in **4.3.2.** **Text：**“$a=\ldots$, $b=\ldots$” **Correction：**“$a=b=1$.”.
263	**Venue：** Line 3 in **4.3.3.** **Text：**“… n dollars, ...” **Correction：**“… $n\text{-}1$ dollars, ...”.
267	**Venue：** Line 2 in **6.6.2.** (a) **Text：**“…$d\leq\gcd(a,b)$. ...” **Correction：**“…$d\leq\gcd(a,b\text{-}a)$. ...”.
270	**Venue：** Line 3 in **6.9.5.** **Text：**“… when divided by p. ...” **Correction：**“… when divided by b. ...”.
272	**Venue：** Line 2 in **7.2.5.** **Text：**“… the original graph ...” **Correction：**“… The original graph ...”.
272	**Venue：** Line 3 in **7.2.7.** **Text：**“… a walk from u to w.” **Correction：**“… a walk from u to v.”.
273	**Venue：** Line 1 **Text：**“**7.13** …” **Correction：**“**7.3** …”.
276	**Venue：** Line 3 in **10.4.2** **Text：**“perfect matching **matching**.” **Correction：**“perfect matching.”.
278	**Venue：** **13.1.2** (b) **Text：**“… Let p any point …” **Correction：**“… Let p **be** any point …”.