

## DISTRIBUTION OF NATURAL NUMBERS:

$$\begin{aligned}
 N \setminus \{1,2,3,4,5,7\} &= \\
 &= (6N + \{0,2,3,4,5,6,7\}) = \\
 &= ((12N + \{0,1,2,3,4,5,6\}) \cup (12N - \{1,2,3,4,5\}) \cup \{6\}) \setminus \{7\}
 \end{aligned}$$

6N + 7	6N + 2	6N + 3	6N + 4	6N + 5	6N	6N + 7	6N + 2	6N + 3	6N + 4	6N + 5	6N + 6
12N - 5	12N - 4	12N - 3	12N - 2	12N - 1	12N	12N + 1	12N + 2	12N + 3	12N + 4	12N + 5	12N + 6
PU <sub>13</sub>	N2	N3	N2	PU <sub>11</sub>	N2	PU <sub>13</sub>	N2	N3	N2	PU <sub>11</sub>	N2
(PU X PU) <sub>13</sub>				(PU X PU) <sub>11</sub>		(PU X PU) <sub>13</sub>				(PU X PU) <sub>11</sub>	
N5 = (30N ± 5)				N5 = (30N ± 5)		N5 = (30N ± 5)				N5 = (30N ± 5)	
N7 = (42 ± 7)						N7 = (42N ± 7)					

$$N2 = (12N + \{0,2,4,6\}) \cup (12N - \{2,4\}) \cup \{4,6\}$$

$$N2 = \{2\} \times \{2^{Nu\{0\}}\} \times \{3^{Nu\{0\}}\} \times \{5^{Nu\{0\}}\} \times \{7^{Nu\{0\}}\} \times PU \times (PU \times PU)$$

$$N3 = (12N \pm \{3\})$$

$$N3 = \{3\} \times \{3^{Nu\{0\}}\} \times \{5^{Nu\{0\}}\} \times \{7^{Nu\{0\}}\} \times PU \times (PU \times PU)$$

$$N5 = (30N \pm \{5\})$$

$$N5 = \{5\} \times \{5^{Nu\{0\}}\} \times \{7^{Nu\{0\}}\} \times PU \times (PU \times PU)$$

$$N7 = (42N \pm \{7\}) \setminus \{35\}$$

$$N7 = \{7\} \times \{7^{Nu\{0\}}\} \times PU \times (PU \times PU)$$

$$(PU \cup (PU \times PU))_{11} \setminus \{1\} = [(12N - \{1\}) \cup (12N + \{5\})] \setminus N5$$

$$(PU \cup (PU \times PU))_{13} \setminus \{1\} = [(12N + \{1\}) \cup (12N - \{5\})] \setminus (N5 \cup N7)$$

$$N = \{2,3,5,7\} \cup N2 \cup N3 \cup N5 \cup N7 \cup PU \cup (PU \times PU)$$

$$(P \setminus \{2,3,5,7\}) = (PU \setminus \{1\}) = [(24N \pm \{3,5,7\}) \cup (24N - \{1,11,13\})] \setminus$$

$$\setminus [(18N \pm \{3\}) \cup (30N \pm \{5\}) \cup (42N \pm \{7\})]$$