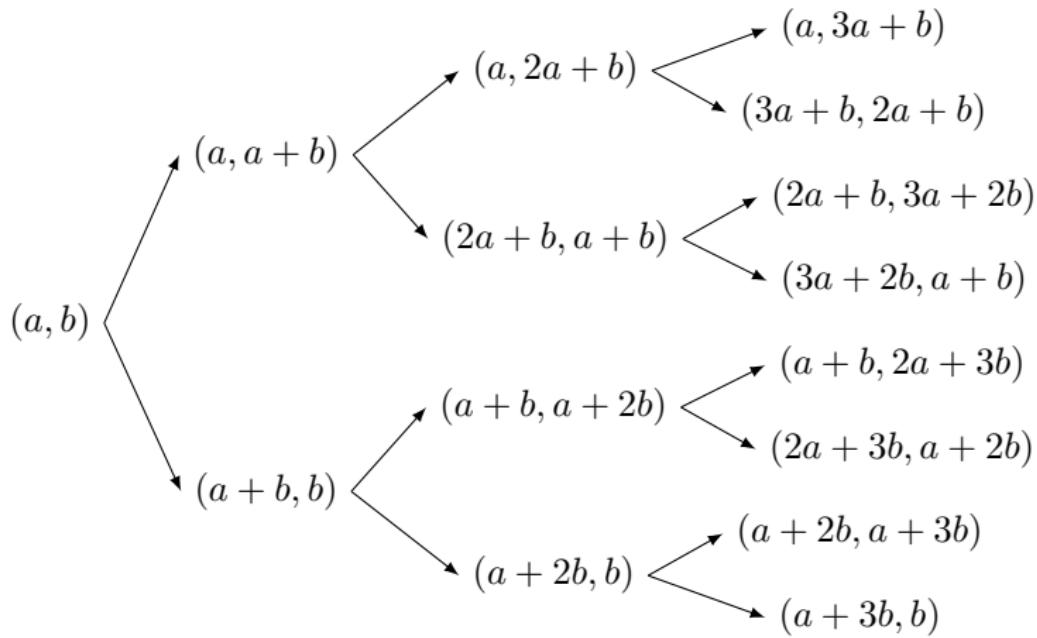
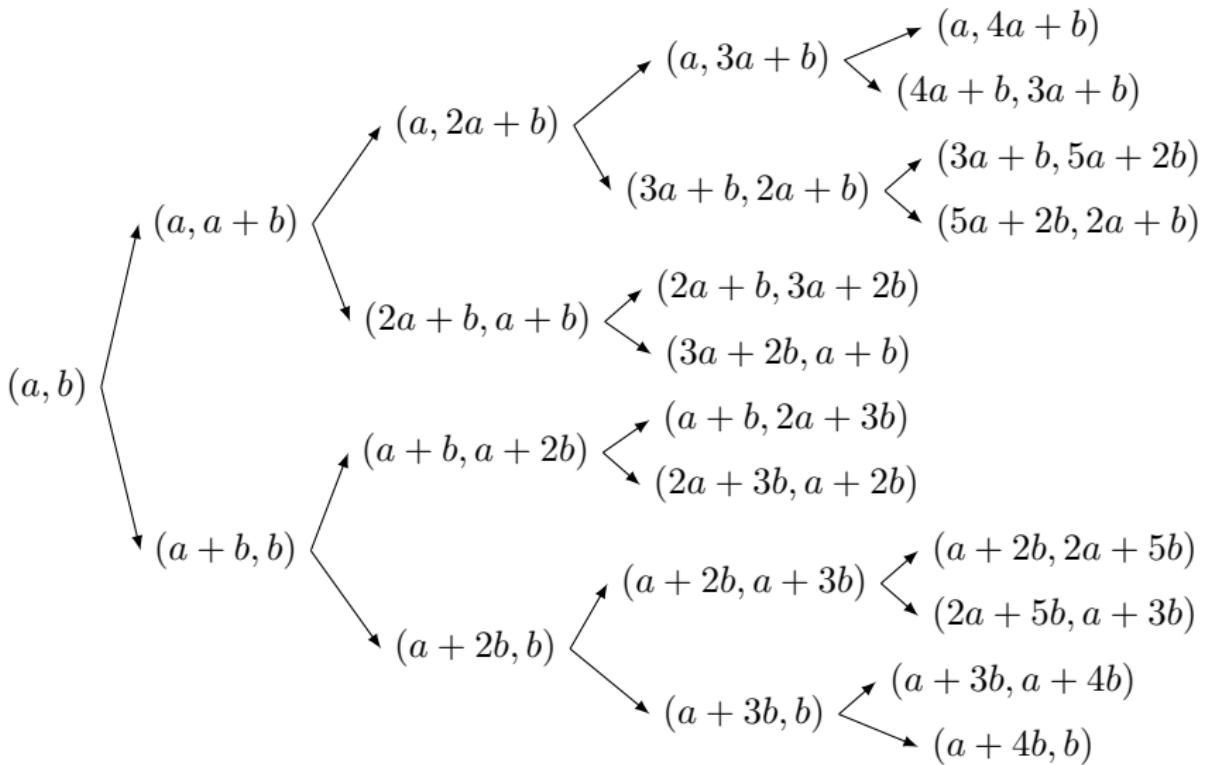


- (10) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 2b) = s$, $N_P(2a + b) = s$,
- (i) $r \neq 2$.



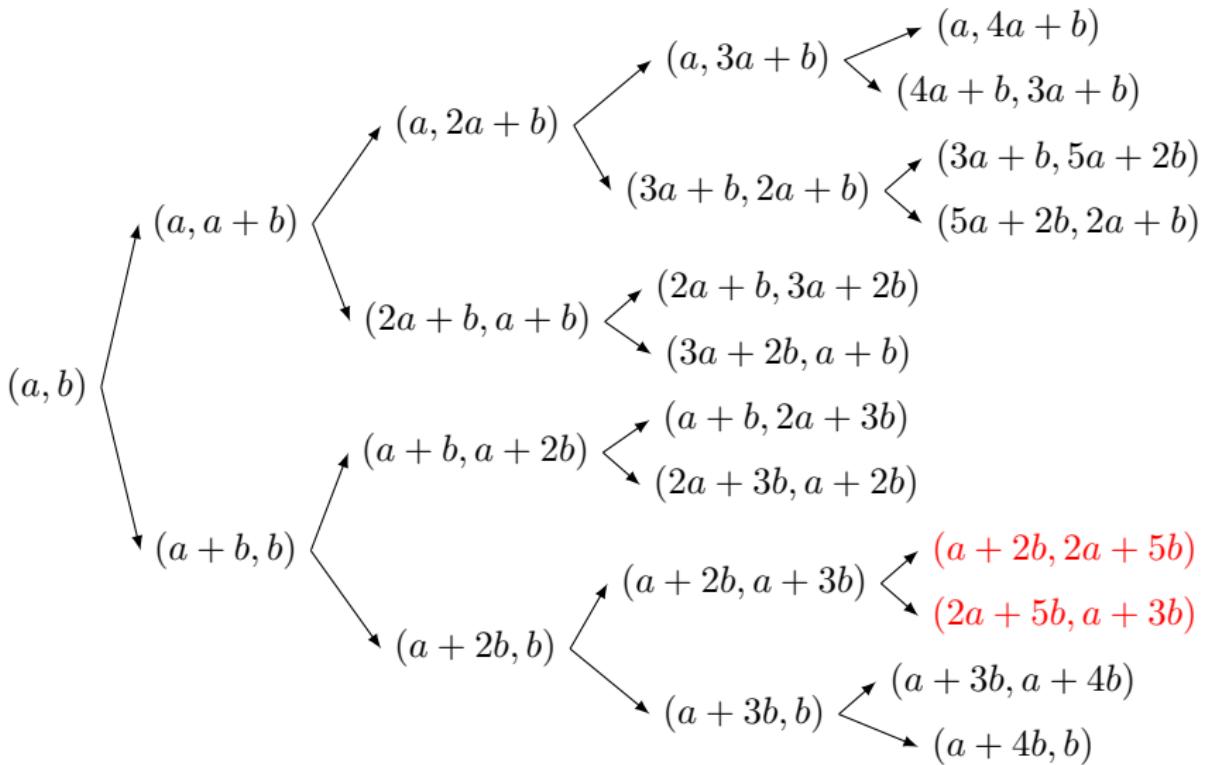
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a+b), (a+b, b), (a, 2a+b), (2a+b, a+b), (a+b, a+2b), (a+2b, b), (a, 3a+b), (3a+b, 2a+b), (2a+b, 3a+2b), (3a+2b, a+b), (a+b, 2a+3b), (2a+3b, a+2b), (a+2b, a+3b), (a+3b, b) \right\}.$$

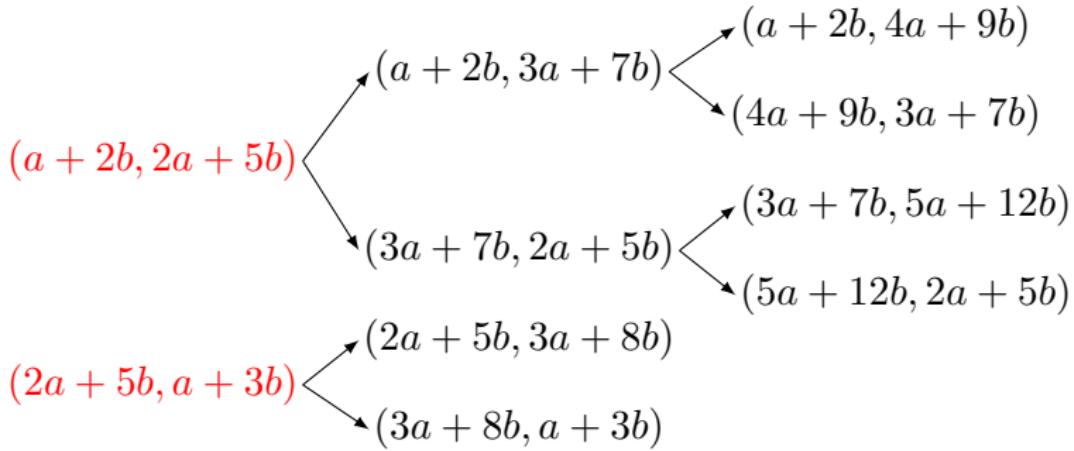
(10) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 2b) = s$, $N_P(2a + b) = s$,
(ii) $p, q \neq 5$, $r = 2$.



$$\begin{aligned}
\text{APT}_P(a, b) = \Big\{ & (a, b), (a, a+b), (a+b, b), (a, 2a+b) \\
& (2a+b, a+b), (a+b, a+2b), (a+2b, b), \\
& (a, 3a+b), (3a+b, 2a+b), (2a+b, 3a+2b), \\
& (3a+2b, a+b), (a+b, 2a+3b), (2a+3b, a+2b), \\
& (a+2b, a+3b), (a+3b, b), (a, 4a+b), \\
& (4a+b, 3a+b), (3a+b, 5a+2b), (5a+2b, 2a+b), \\
& (a+2b, 2a+5b), (2a+5b, a+3b), (a+3b, a+4b), \\
& (a+4b, b) \Big\}.
\end{aligned}$$

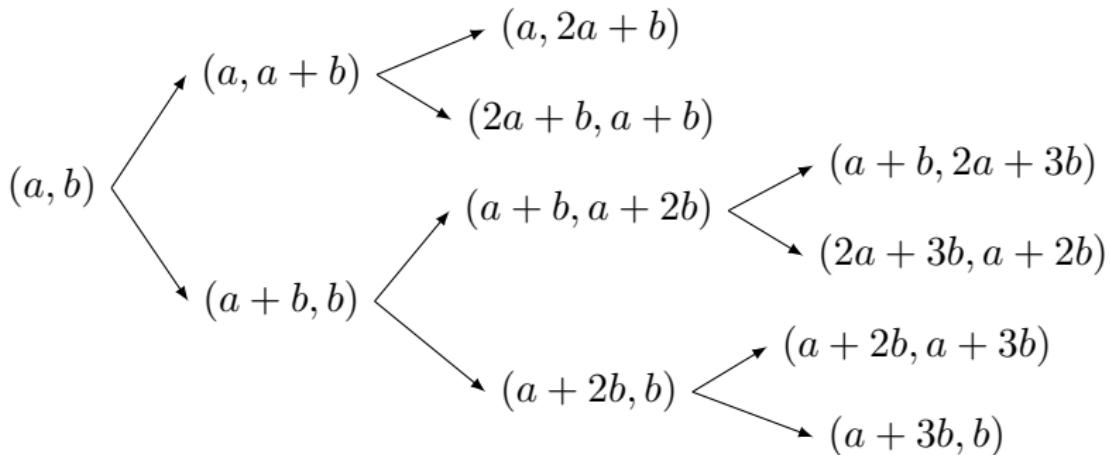
(10) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 2b) = s$, $N_P(2a + b) = s$,
(iii) $p = 5$, $r = 2$.





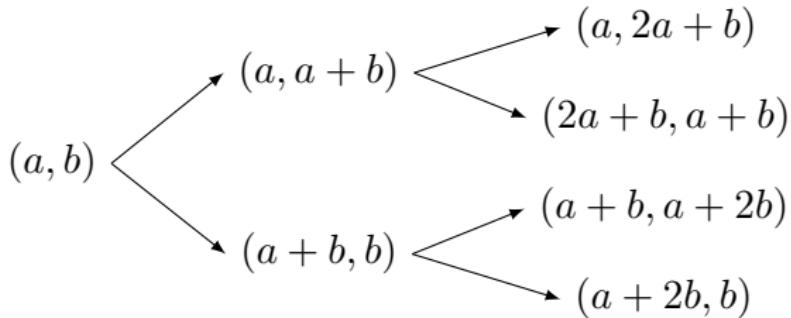
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a+b), (a+b, b), (a, 2a+b), (2a+b, a+b), (a+b, a+2b), (a+2b, b), (a, 3a+b), (3a+b, 2a+b), (2a+b, 3a+2b), (3a+2b, a+b), (a+b, 2a+3b), (2a+3b, a+2b), (a+2b, a+3b), (a+3b, b), (a, 4a+b), (4a+b, 3a+b), (3a+b, 5a+2b), (5a+2b, 2a+b), (a+2b, 2a+5b), (2a+5b, a+3b), (a+3b, a+4b), (a+4b, b), (a+2b, 3a+7b), (3a+7b, 2a+5b), (2a+5b, 3a+8b), (3a+8b, a+3b), (a+2b, 4a+9b), (4a+9b, 3a+7b), (3a+7b, 5a+12b), (5a+12b, 2a+5b) \right\}.$$

(11) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = rs$,
 $(p = 2)$.



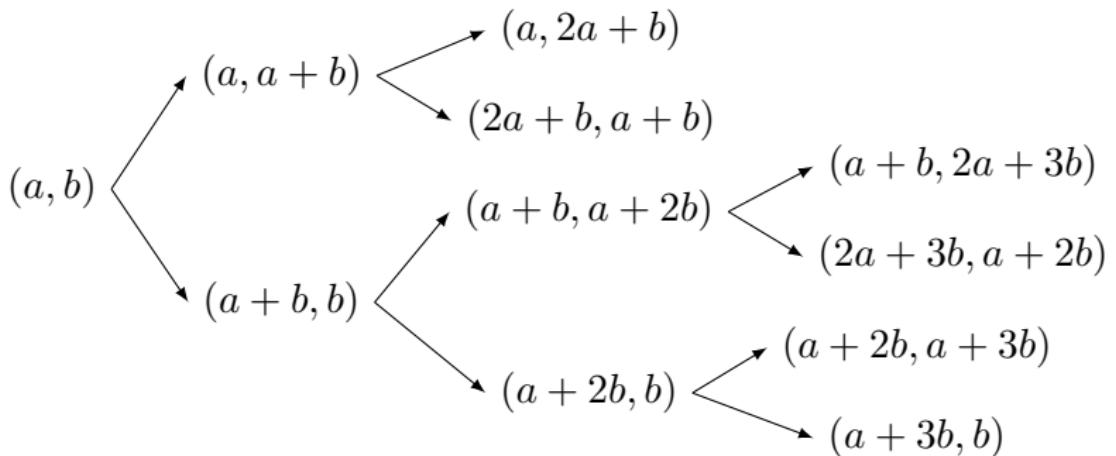
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a+b), (a+b, b), (a, 2a+b), (2a+b, a+b), (a+b, a+2b), (a+2b, b), (a+b, 2a+3b), (2a+3b, a+2b), (a+2b, a+3b), (a+3b, b) \right\}.$$

(12) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = rs$,
 $(p, q \neq 2)$.



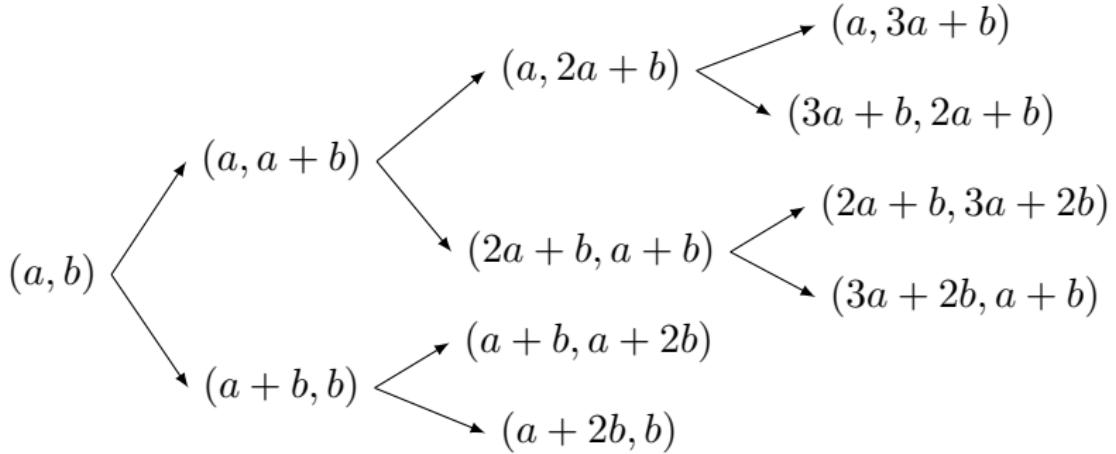
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a+b), (a+b, b), (a, 2a+b), (2a+b, a+b), (a+b, a+2b), (a+2b, b) \right\}.$$

(13) $P = \{p, q, r, s\}$, $N_P(a) = pq$, $N_P(b) = r$, $N_P(a + b) = s$,
 $(p = 2)$.



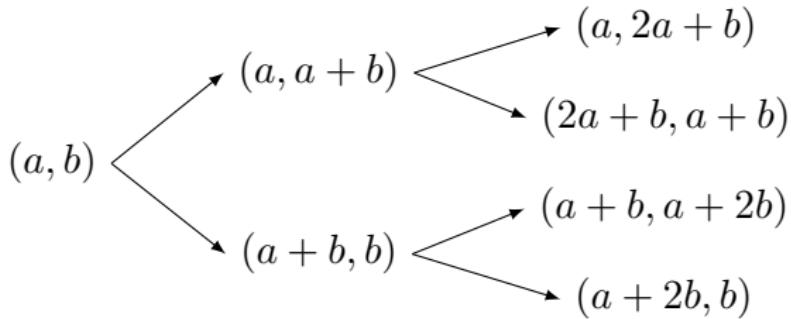
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a+b), (a+b, b), (a, 2a+b), (2a+b, a+b), (a+b, a+2b), (a+2b, b), (a+b, 2a+3b), (2a+3b, a+2b), (a+2b, a+3b), (a+3b, b) \right\}.$$

(14) $P = \{p, q, r, s\}$, $N_P(a) = pq$, $N_P(b) = r$, $N_P(a + b) = s$,
 $(r = 2)$.



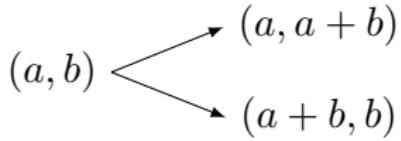
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), (a, 2a + b), (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), (3a + 2b, a + b) \right\}.$$

(15) $P = \{p, q, r, s\}$, $N_P(a) = pq$, $N_P(b) = r$, $N_P(a + b) = s$,
 $(p, q, r \neq 2)$.



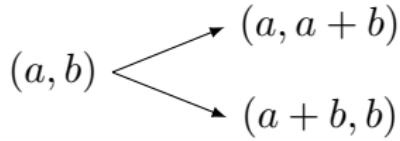
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), (a, 2a + b), (2a + b, a + b), (a + b, a + 2b), (a + 2b, b) \right\}.$$

(16) $P = \{p, q, r, s\}$, $N_P(a) = pq$, $N_P(b) = r$, $N_P(a + b) = 1$.



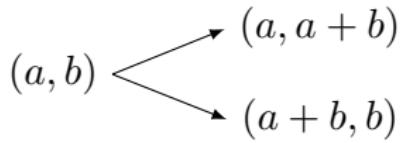
$$\text{APT}_P(a, b) = \{(a, b), (a, a+b), (a+b, b)\}.$$

(17) $P = \{p, q, r, s\}$, $N_P(a) = pq$, $N_P(b) = rs$.



$$\text{APT}_P(a, b) = \{(a, b), (a, a+b), (a+b, b)\}.$$

(18) $P = \{p, q, r, s\}$, $N_P(a) = pqr$, $N_P(b) = s$.



$$\text{APT}_P(a, b) = \{(a, b), (a, a+b), (a+b, b)\}.$$