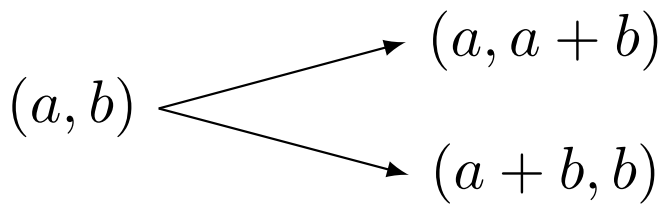
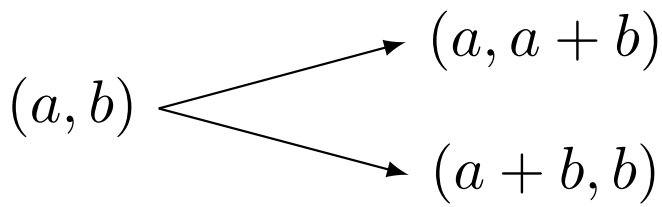
(1) $P = \{p, q, r\},\ N_P(a) = pq,\ N_P(b) = r.$



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

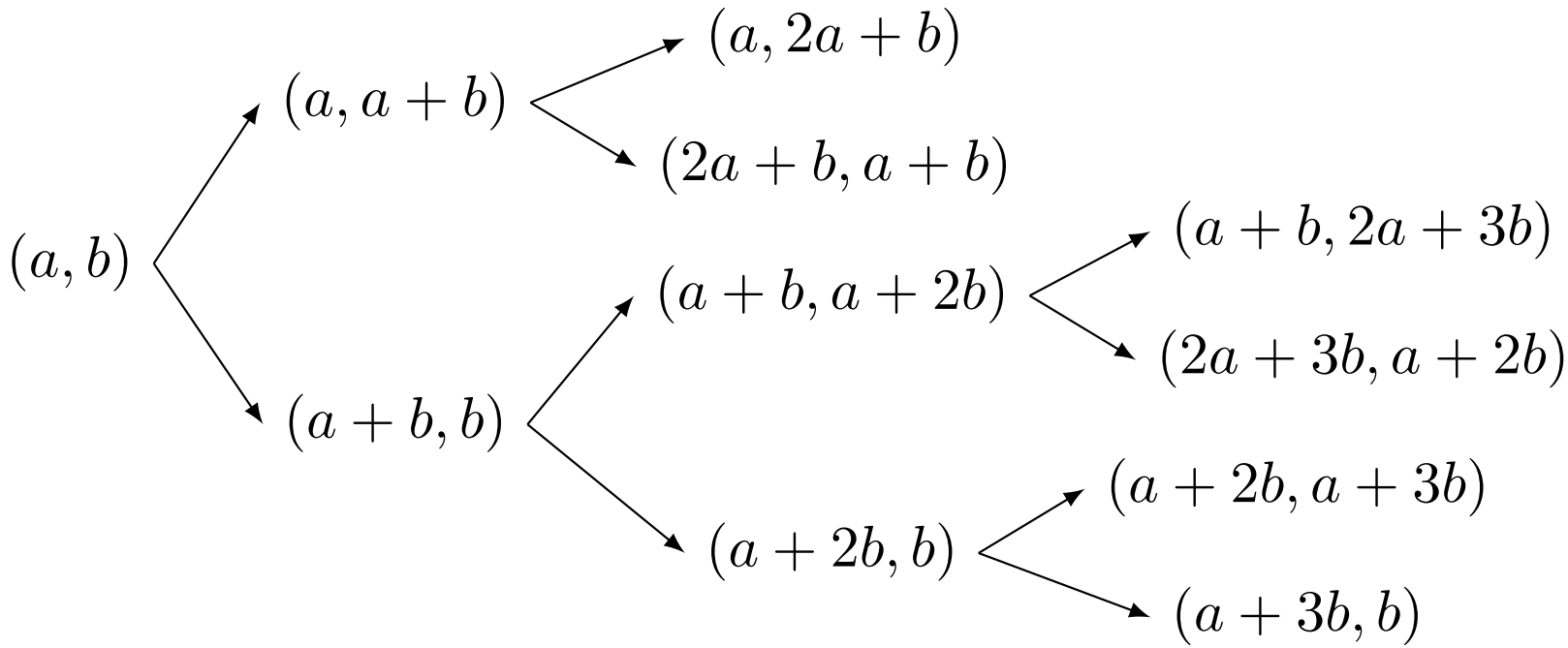
(2) $P = \{p, q, r\},\ N_P(a) = p,\ N_P(b) = q,\ N_P(a+b) = 1.$



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

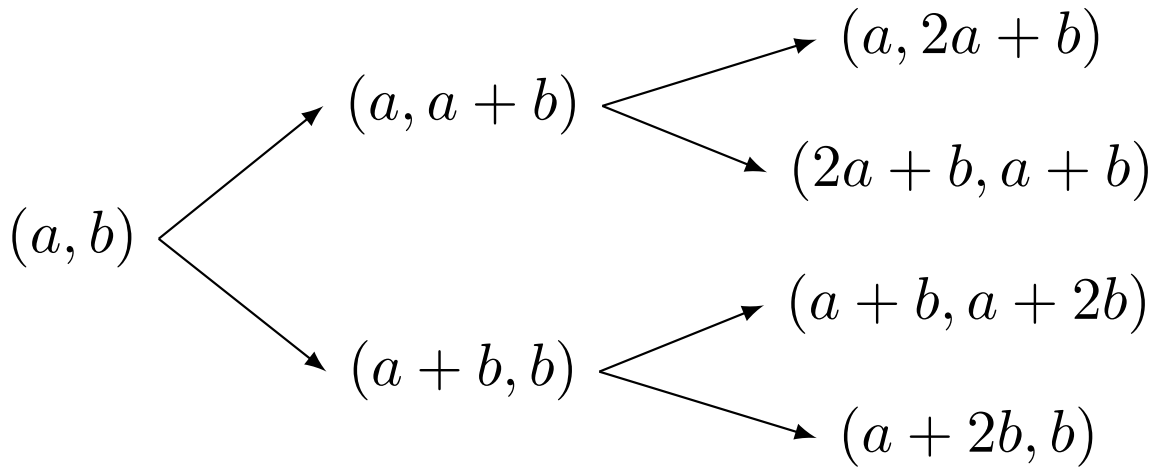
(3) $P = \{p, q, r\},\ N_P(a) = p,\ N_P(b) = q,\ N_P(a+b) = r,$

(i) $p = 2.$



$$\mathrm{APT}_P(a,b) = \Big\{(a,b),\ (a,a+b),\ (a+b,b),\ (a,2a+b),$$
$$(2a+b,a+b),\ (a+b,a+2b),\ (a+2b,b),\ (a+b,2a+3b)$$
$$(2a+3b,a+2b),\ (a+2b,a+3b),\ (a+3b,b)\Big\}.$$

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



$$\mathrm{APT}_P(a,b) = \Big\{(a,b),\ (a,a+b),\ (a+b,b),\ (a,2a+b),\ (2a+b,a+b),\ (a+b,a+2b),\ (a+2b,b)\Big\}.$$