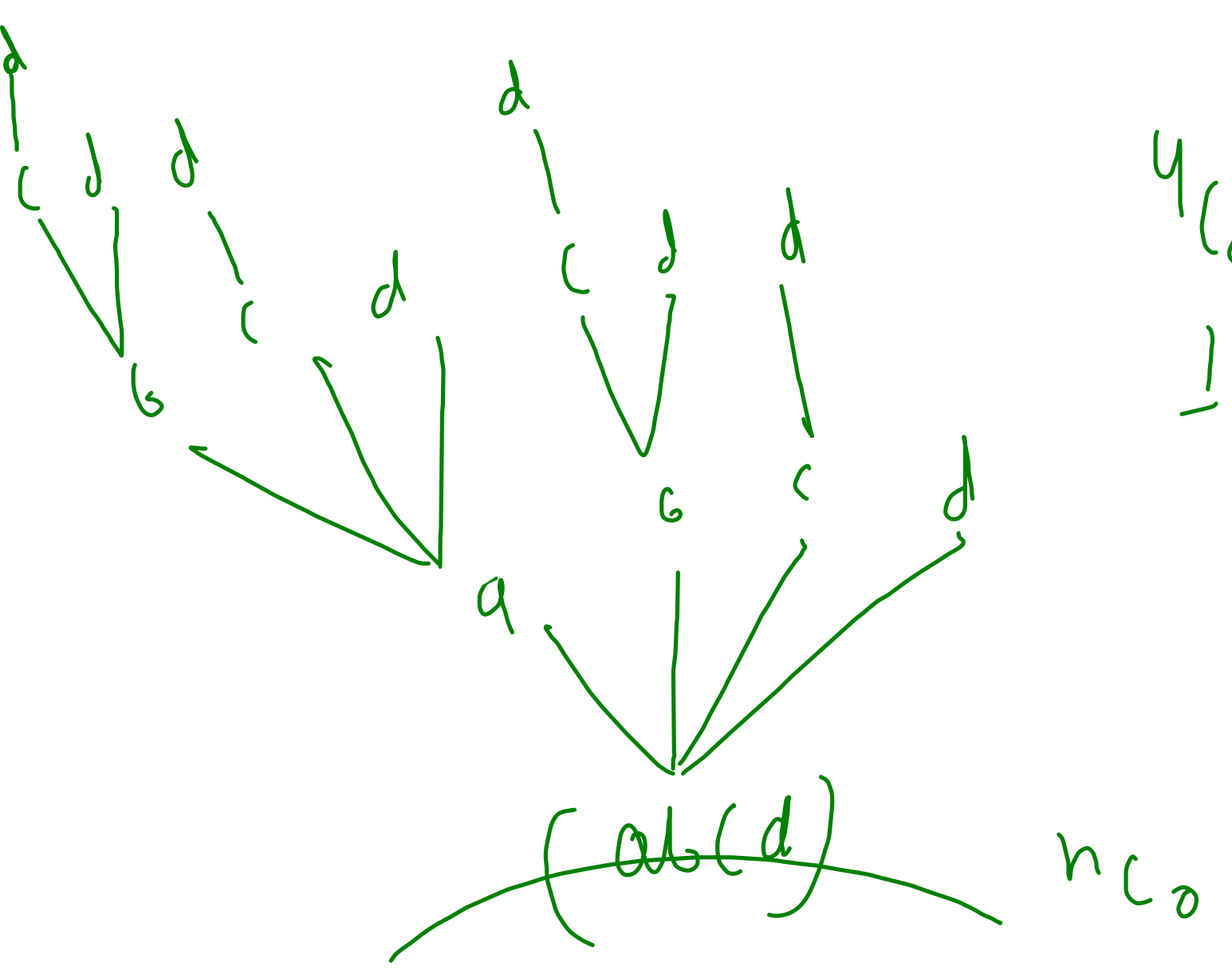
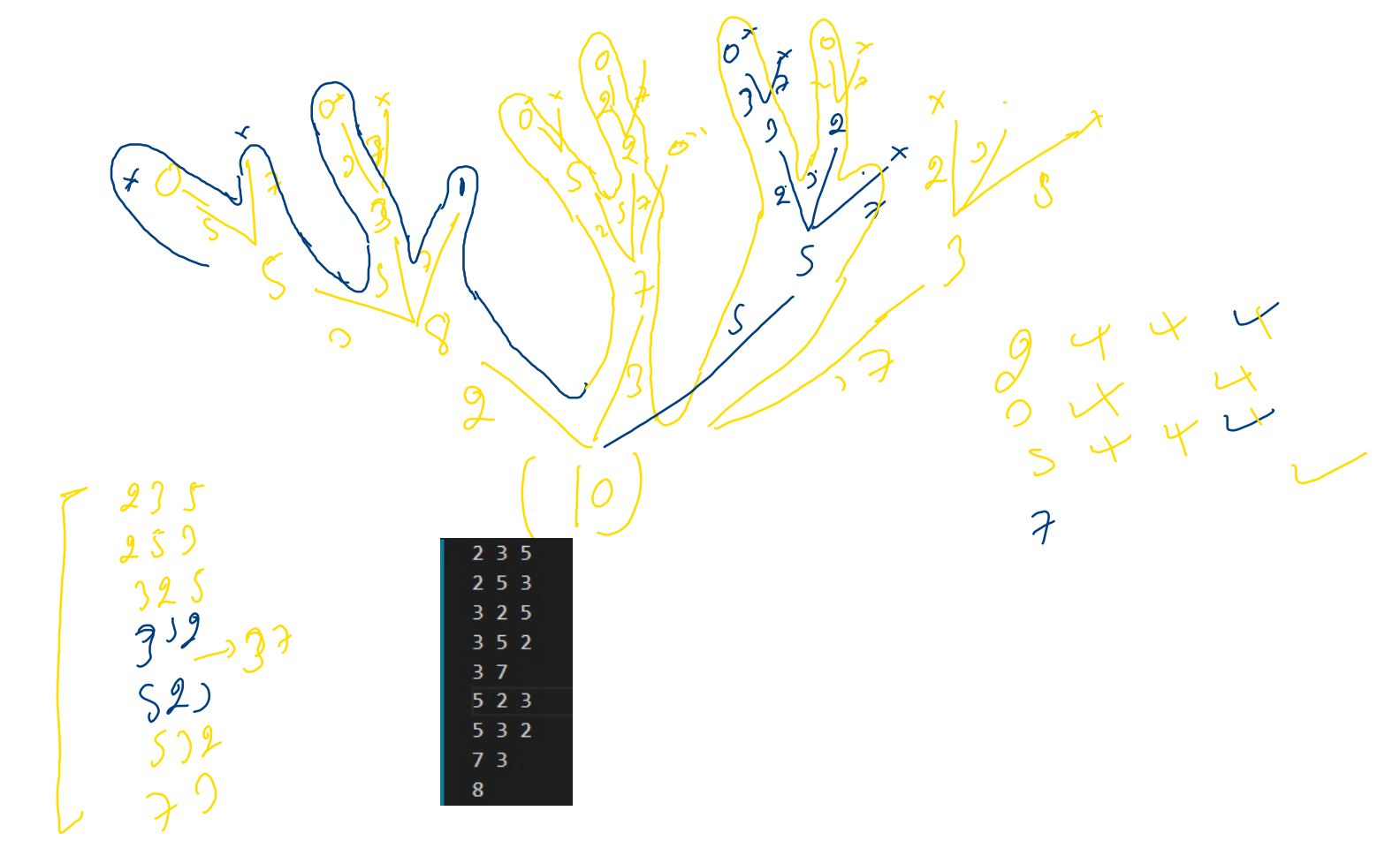
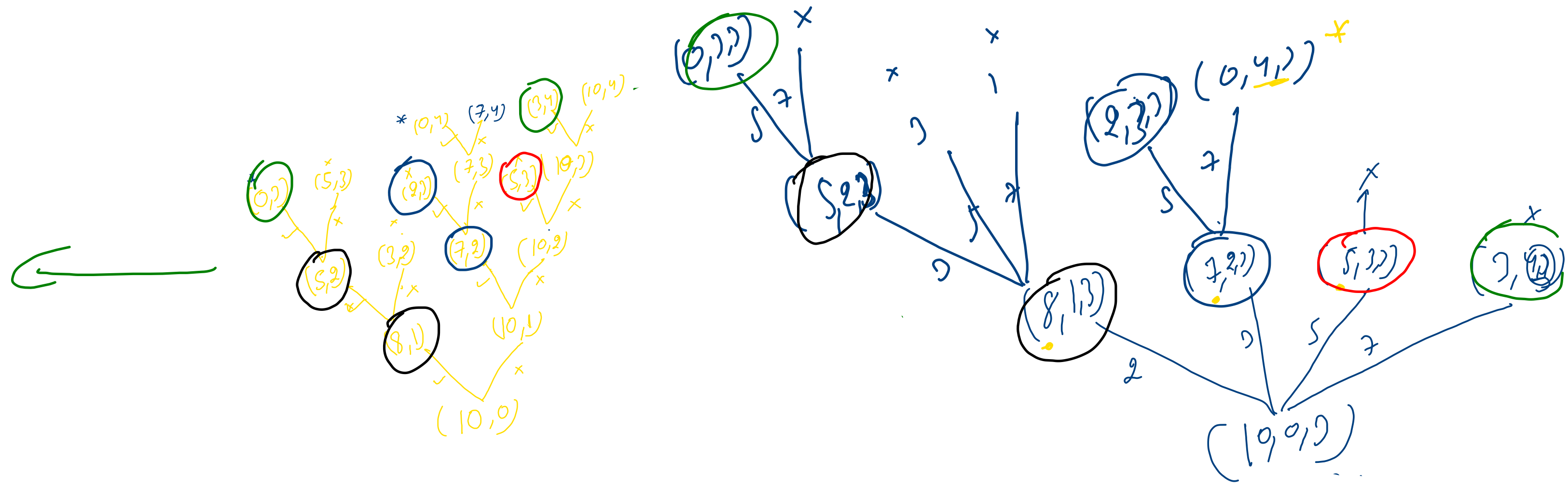


$$(X+y)^n = X^n h_0 y^0 + X^{n-1} h_1 y^1 + \dots$$

$$(X+y)^n = X^n h_0 + X^{n-1} h_1 + X^{n-2} h_2 + \dots$$

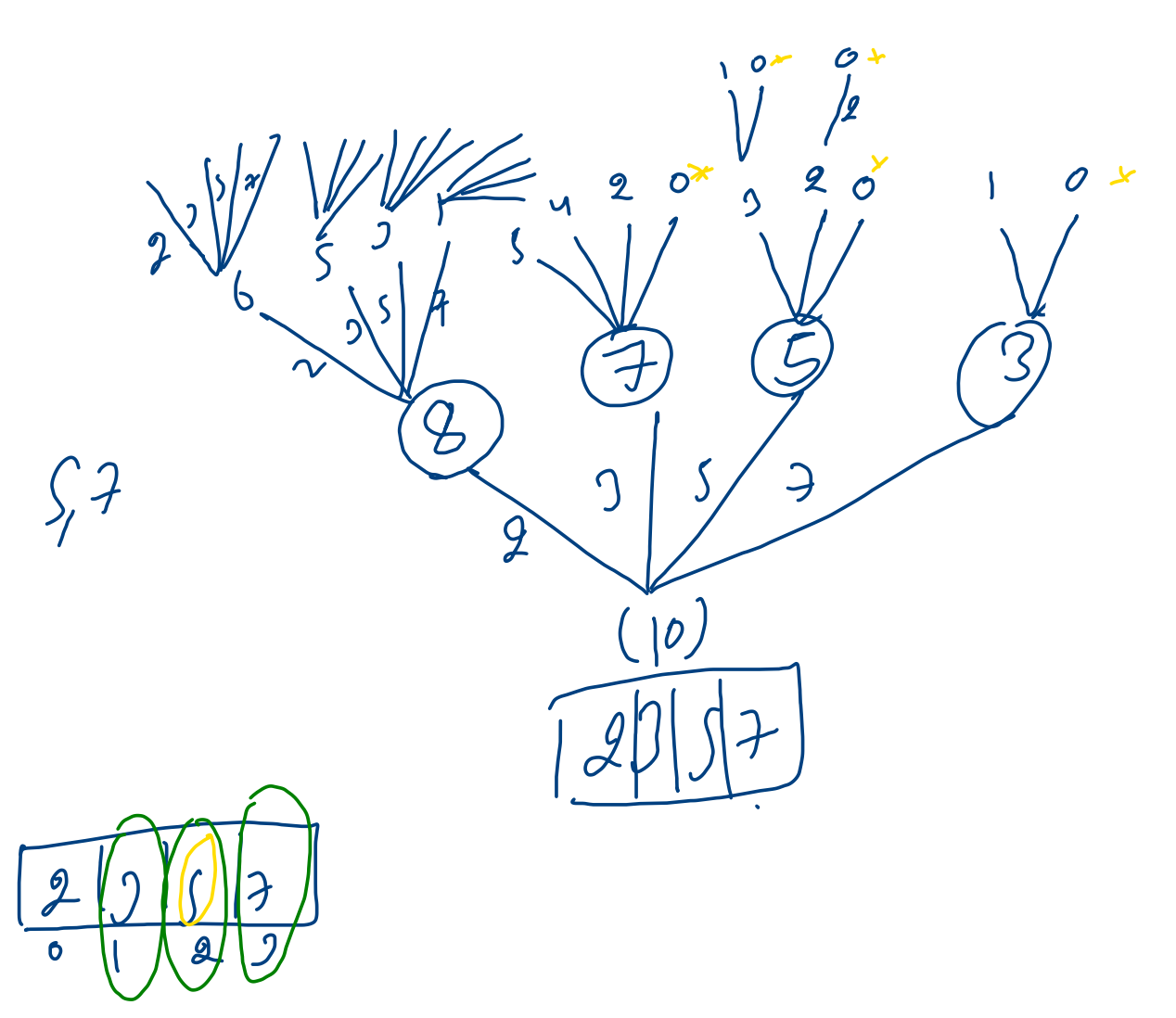
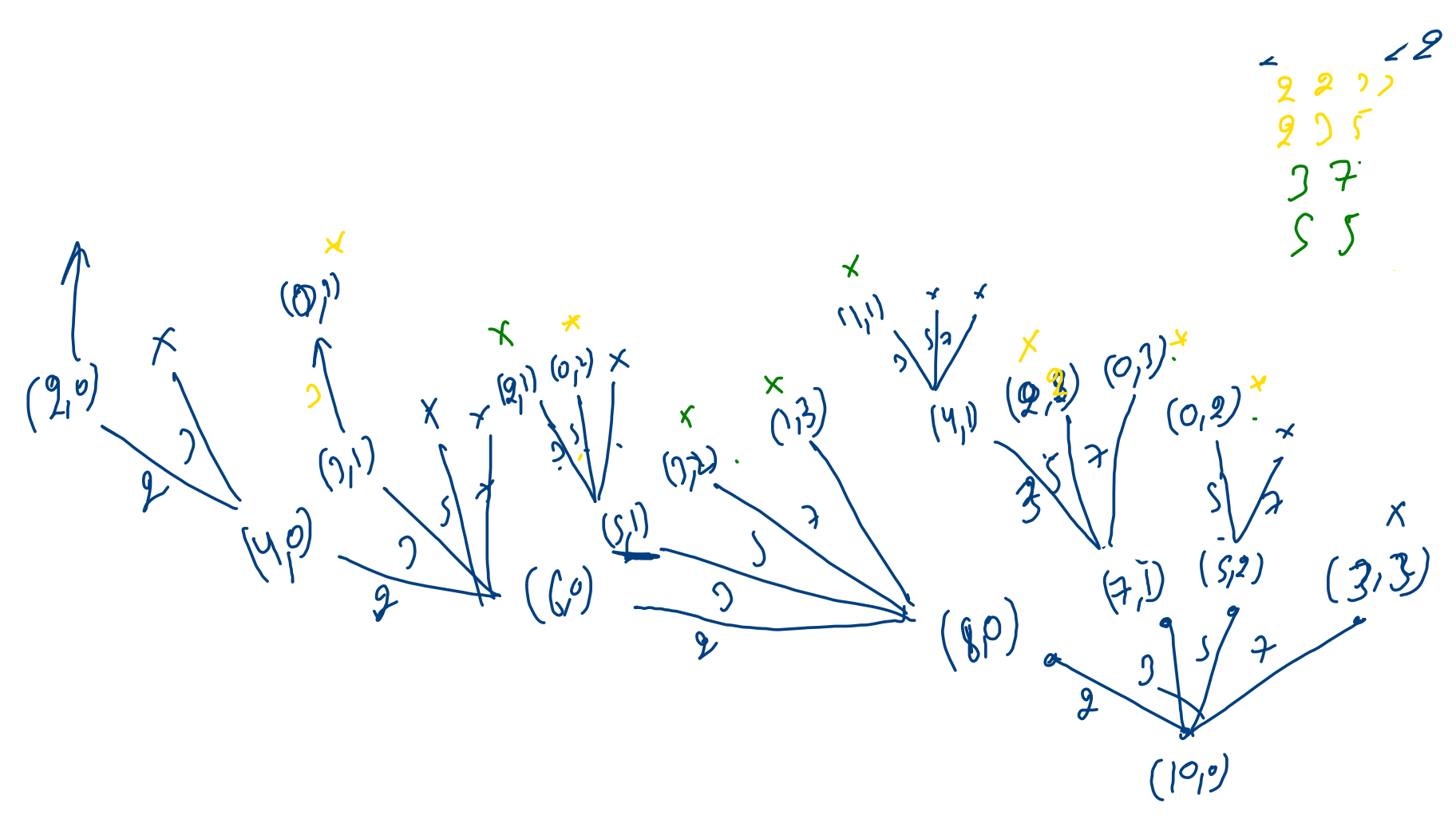
$$g^n = (h_0 + h_1 + h_2 + h_3 + h_4 + h_5 + \dots)$$

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$$h_0 + h_1 + h_2 + h_3 + h_4$$

$$1 + 9 + 6 + 9 + 1$$



- |   |   |   |   |
|---|---|---|---|
| 2 | 3 | 5 | 7 |
|---|---|---|---|
- for 10.
- ① permutations (coin available  $\infty$ ) — (a)
  - ② 11 (one coin at a time) — (d)
  - ③ combination (coin available  $\infty$ ) — (b)
  - ④ 11 (one coin at a time) — (c)