Stage 1: the root node.

All Solutions

AAAA = 0.9×0.8×0.9×0.85 = 0.5508

Incumbent

None

Stage 2: operation 1

All Solutions

AAAA = 0.5508

A ACCC = 0.9×0.7×0.85×0.8 = 0.4284

B BAAA = 0.7×0.8×0.9×0.85 = 0.4284

C CAAA = 0.85×0.8×0.9×0.85 = 0.5202

D DAAA = 0.75×0.8×0.9×0.85 = 0.459

Incumbent:

None

Stage 3: operation 2 (Global-Best Node Selection Policy) Node C

All Solutions

AAAA = 0.5508

A

ACCC = 0.4284

B

BAAA = 0.4284

C

CAAA = 0.5202

D

DAAA = 0.459

Incumbent

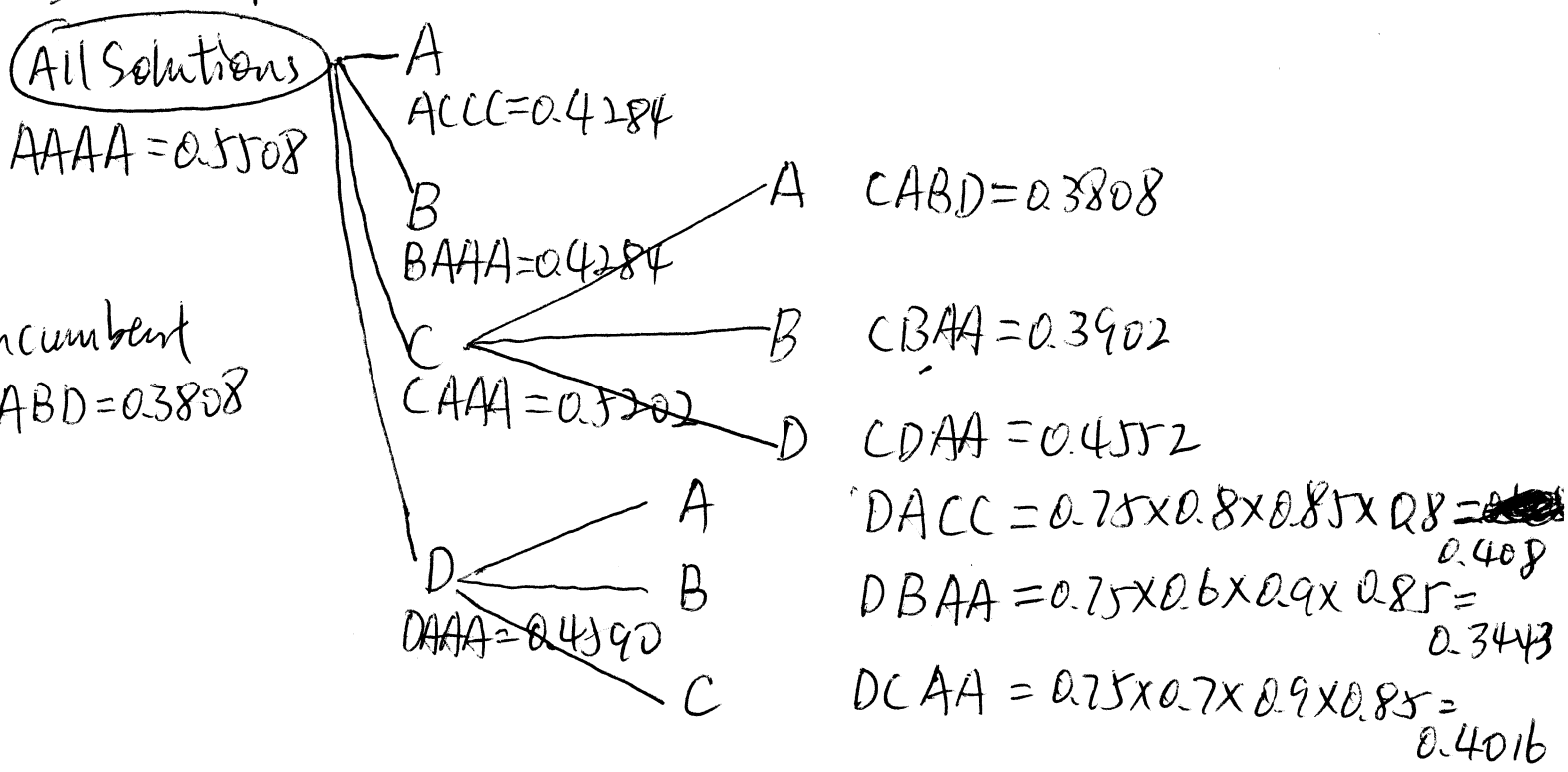
CABD = 0.3808

A CABB or CABD = 0.85×0.8×0.8×0.7 = 0.3808

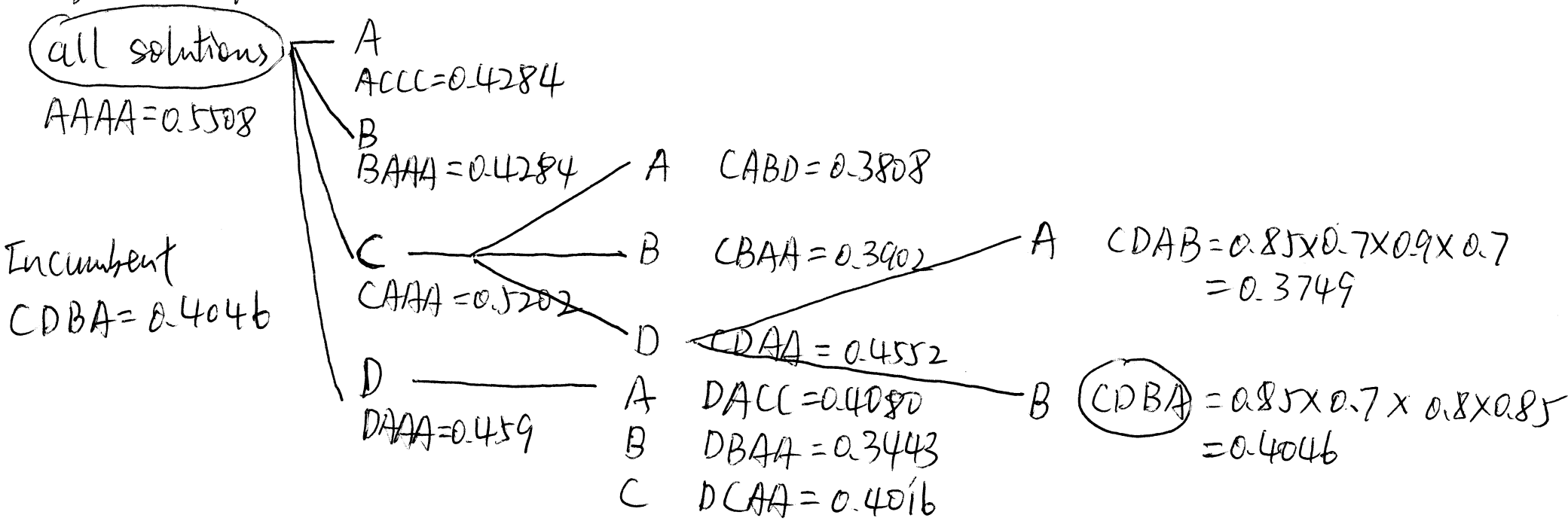
B CBAA = 0.85×0.6×0.9×0.85 = 0.3902

D CDAA = 0.85×0.7×0.9×0.85 = 0.4552

Stage 4: Operation 2 (Global-Best Node Selection) — Node D



Stage 5: Operation 3 (Global-Best Node Selection) — CDNode



Incumbent
CDBA=0.4046