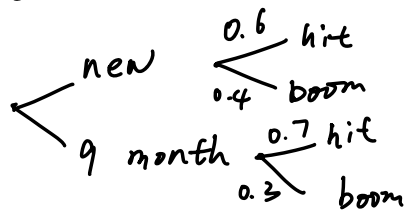


21-51-Q5

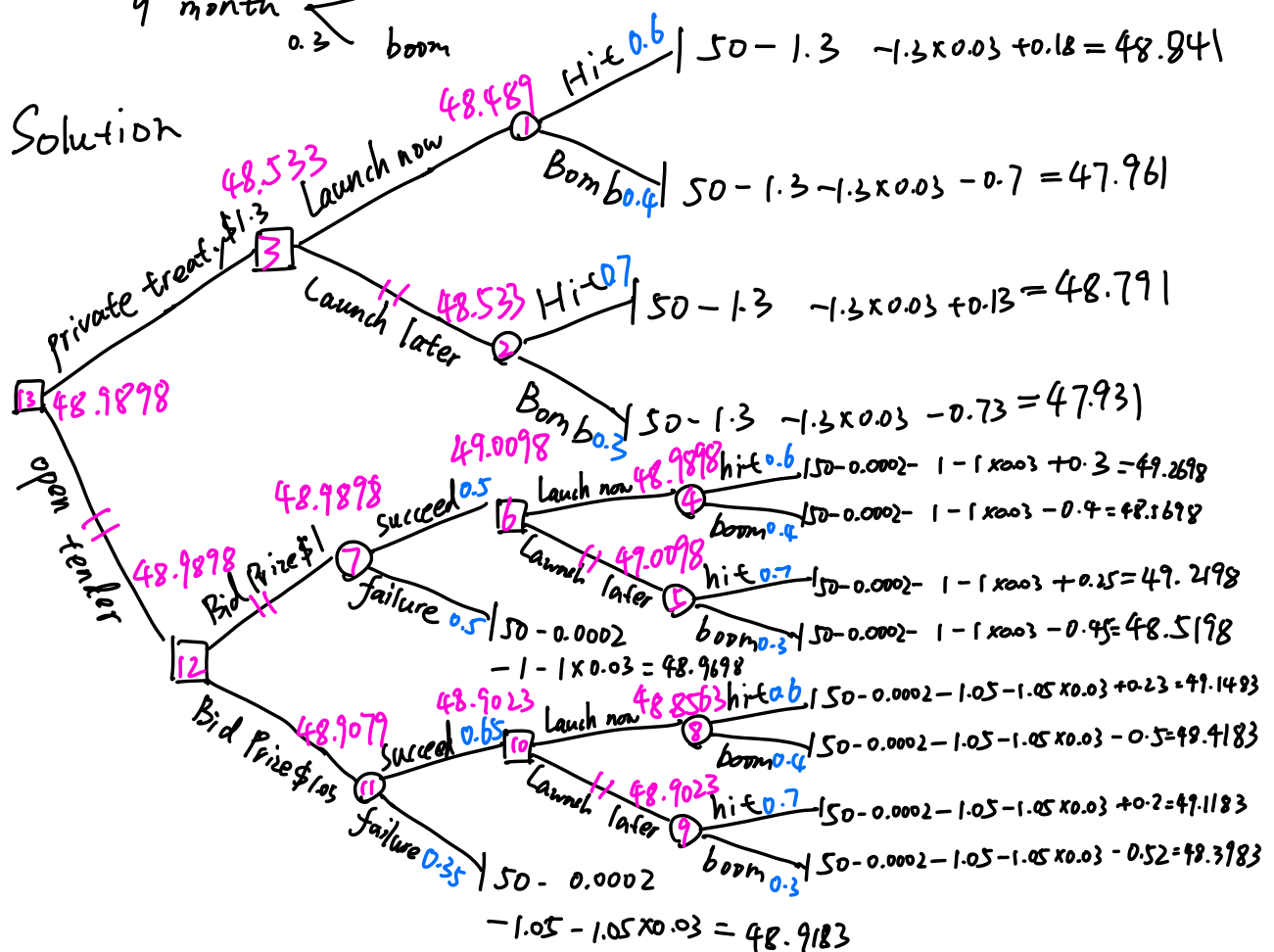
Q: (a) decision tree

\$50 \$1 \$1 0.5 \$1.5 0.65 \$1.3

\$0.0002 3%



Solution

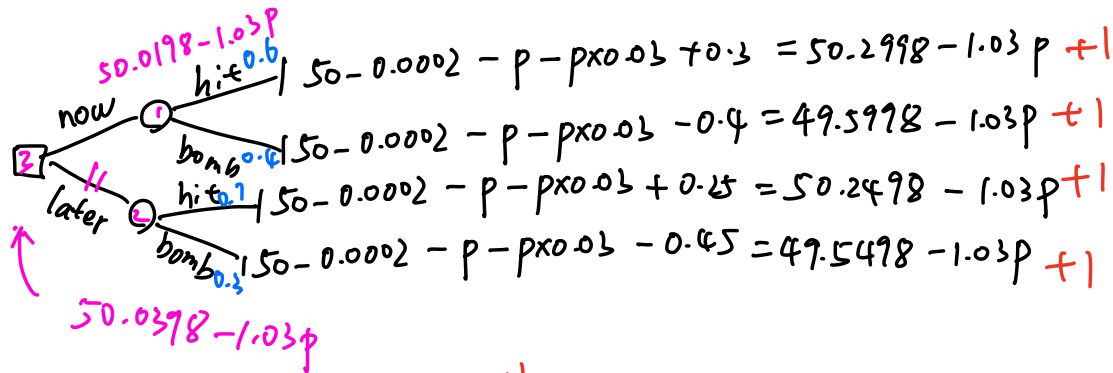


c) recommend: ① open tender

② Bid Price \$1 billions

③ if succeed, launch later

c) $Q : p \rightarrow 50 + 0.1p$



$$50 + 0.1p = 50.0398 + 1 - 1.03p$$

$$1.13p = 0.0398 + 1$$

$$p = 0.03522 \quad 0.9202$$

① 出价 \$1, \$1.05, \$1.3 后的资产都算 \$1 吗?

② 如果都是 1, 要加在决策树最后吗?