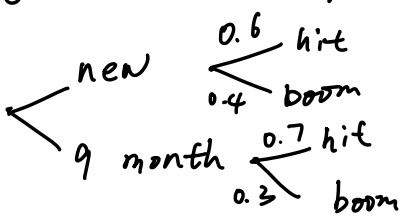
21-S1-Q5

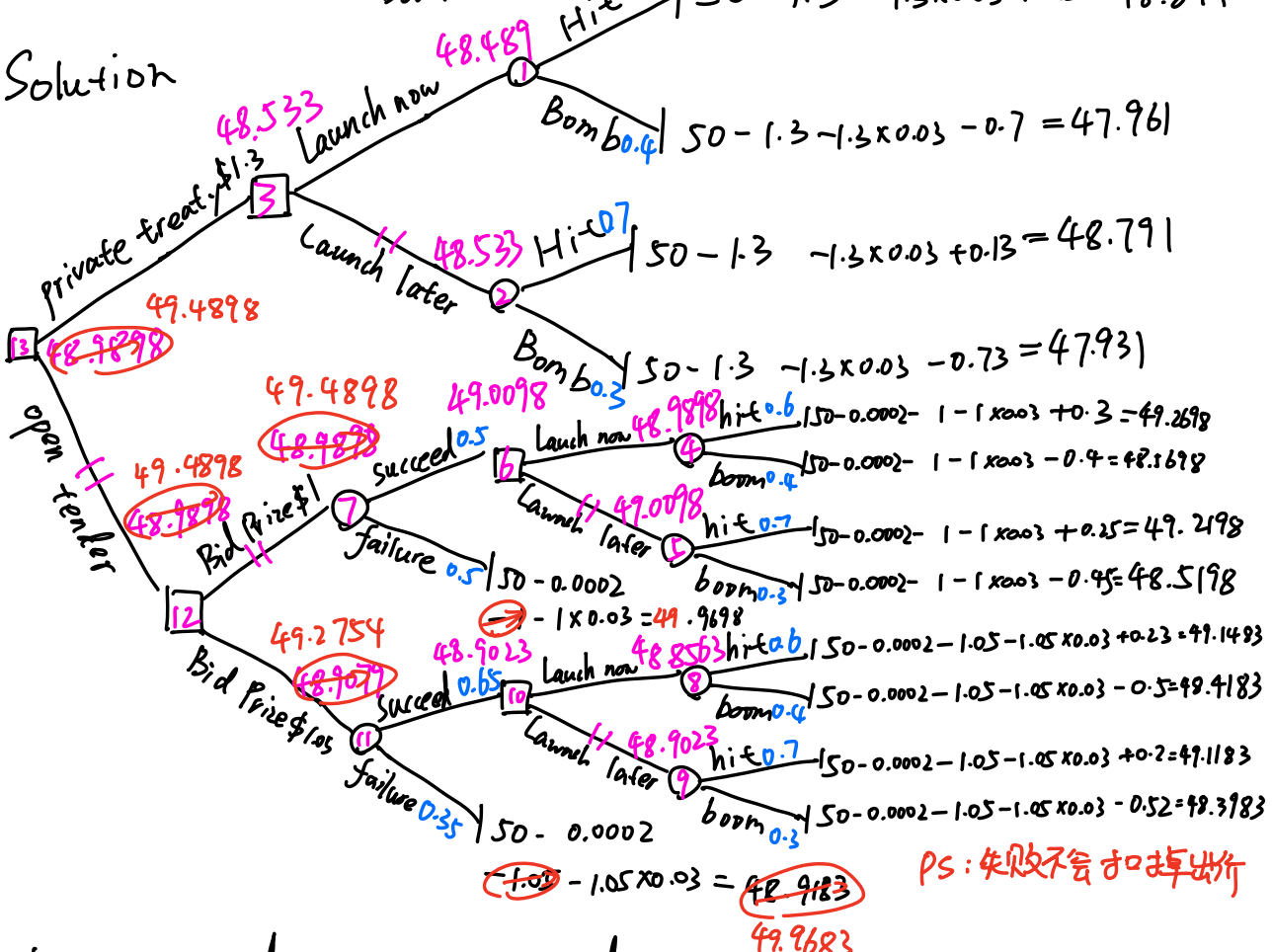
Q: (a) decision tree

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

$0.0002 3%



Solution



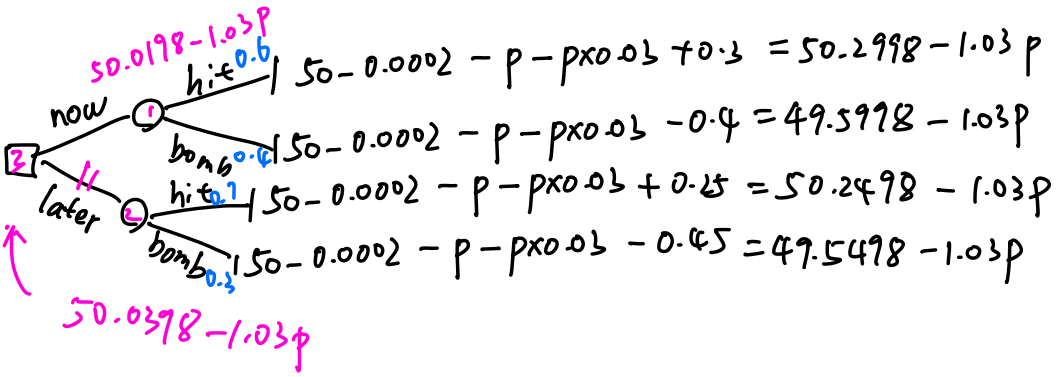
PS: 失败不会扣掉出价

(b) Recommend: ① open tender

② Bid Prize $1 billions

③ if succeed, launch later

(c) $Q : P \longrightarrow 50 + 0.1P$



$50 + 0.1P = 50.0398 - 1.03P$

$1.13P = 0.0398$

$P = 0.03522$

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?

资产 (assets) 全部理解为现金

不涉及<会计学>中的 固定资产 ∈ 资产