



4. R(S) -> +0-> | x -> >(S) R(E) = +2 R(S) = 2/53 $T(S) = \frac{1^{2}}{S^{2}} = \frac{1}{S^{2} + K}$ $E(S) = R(S) \left(1 - T(S)\right) = \frac{2}{5^{3}} \left(1 - \frac{K}{5^{2} + K}\right)$ $ess = S E(S) \Big|_{S=0} = \frac{2}{5^{3}} \left(1 - \frac{2}{5^{2} + K}\right) \le 0.5$ $\frac{2}{5^{2}} \left(1 - \frac{1}{5^{2} + 1K}\right) \le 0.5$ 2 (52 (52+ k)) - 2 k52 \ 60.5 2(52+k) - 216 | 252+2k-216 | = 0.5 2 1 6 0 5 -> 1 K = 4