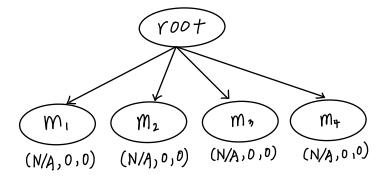
컴퓨터공학부 201814121 이연회 MCTS Algorithm Homework

UCT =
$$\overline{x_j}$$
 + 2Cp $\sqrt{\frac{2\ln n}{n_j}}$, $C = 1/2J_2$
(X_j , n , n_j) - (Mean Value, Parent Visits, Child Visits)

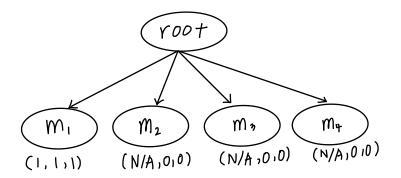
partial tree

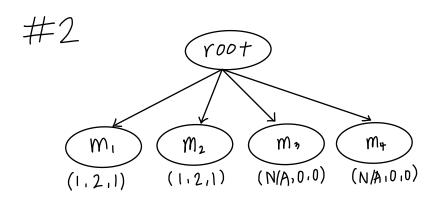


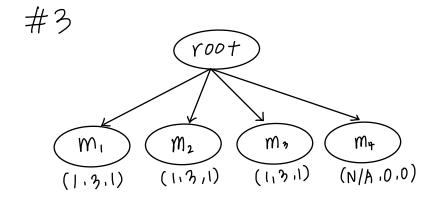
#1

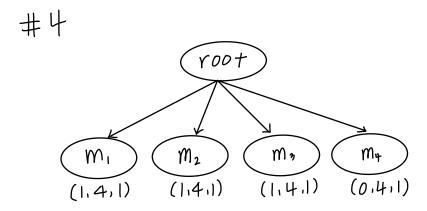
$$VCT = \overline{\chi_j} + 2 \cdot \frac{1}{2\sqrt{2}} \sqrt{\frac{2 \ln n}{o}} = \infty$$

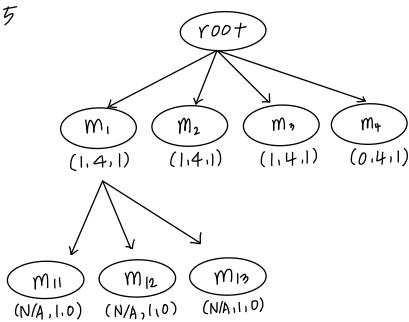
⇒ MI, M2, M3, MY OI UCT = ∞ 123 MI 位时



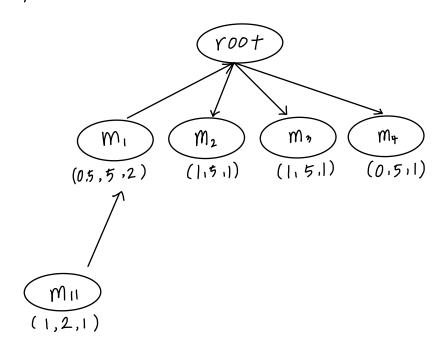




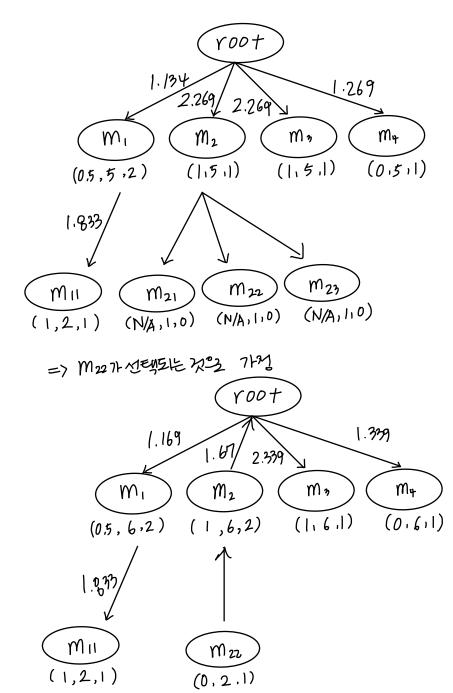


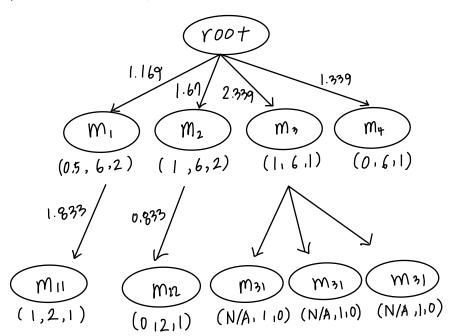


⇒ MII, M12, MB의 UCT=∞ 0171 研究에 MINE 선택

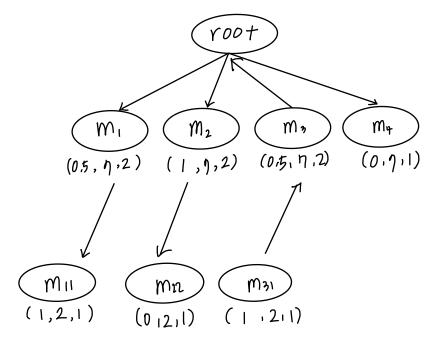


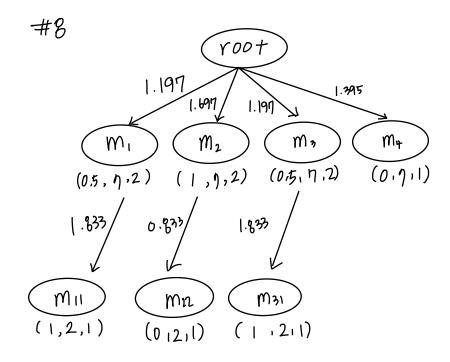
#6 => M29+ M3 3 depth first 7201 934 M2 (154)



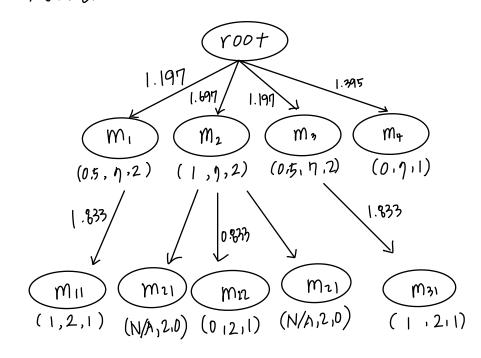


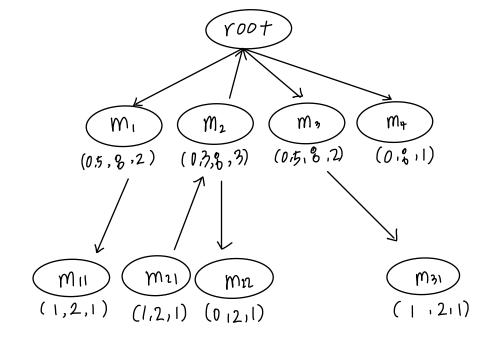
=> M31, M32, M33 의 UCT = 20 03 같으로 M31 位则

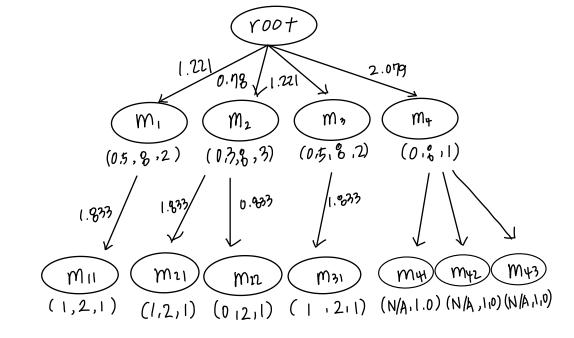


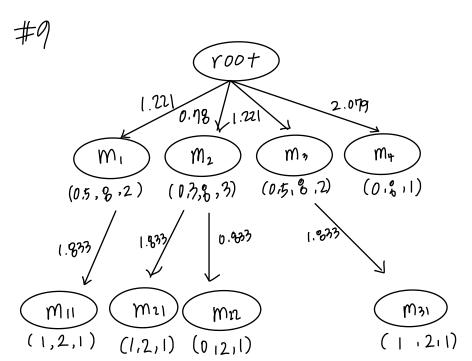


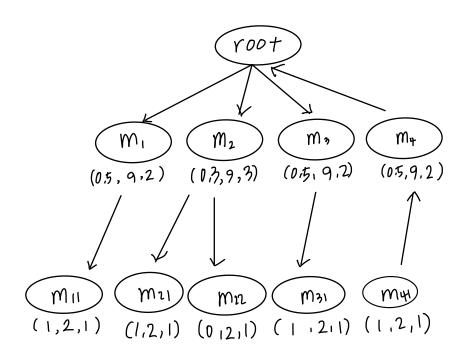
=> UCT设的가장 M2U 对处空的 M21 处空

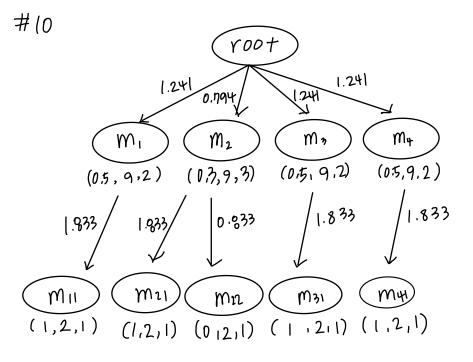


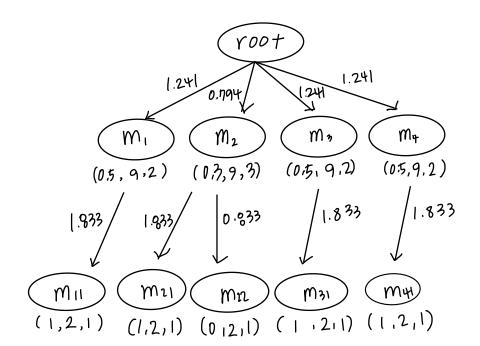


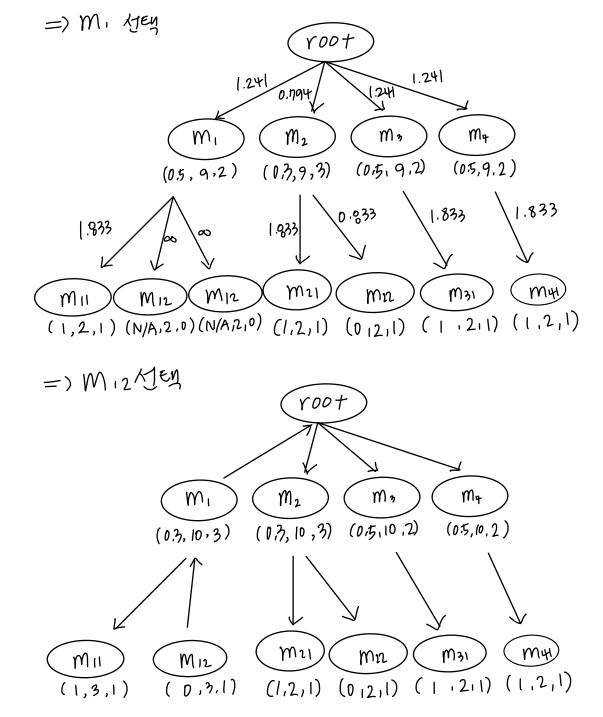












Result root 1.259 0.806/ M 3 \boldsymbol{W}^{ι} M_{Ψ} (03,10,3) (05,10,2) (05,0,2) (0.3, 10.3) 1.833 2.048 1.833 1.048 M4) m_{11} MII M12 (1,2,1) (0,2,1) (1,2,1)(1,3,1)(0,3,1)