$dist(p_1, p_4) = r_1 \rightarrow$ D1 : $O_1 p_1 p_4$: S

$dist(p_1, p_2) = l_2 \rightarrow$ D2 : $O_1 p_1 p_2$: S

$dist(p_2, p_3) = r_2 \rightarrow$ D3 : $O_1 p_2 p_3$: S

$dist(p_3, p_4) = l_1 \rightarrow$ D4 : $O_1 p_3 p_4$: S

$angle(p_1, p_4) = \alpha_1$

$fix(p_4) = p$: $dist(O, p_4)$ & $angle(p_4)$

~~$fix(p_3) = p_4$~~

$yfix(p_3, p_4)$