(a) ..., $r_1(x)$, $r_1(y)$, ...

(b) ..., $r_1(x)$, $w_2(x)$, ...

(c) ..., $r_1(x)$, $w_2(y)$, ...

(d) ..., $r_1(x)$, $r_2(x)$, ...