$$vend:0[r_{2} < 100]/[r_{1} := r_{1}, r_{2} := r_{2}]$$

$$coin:1/o_{1} := r_{2} + i_{1}[r_{1} := r_{1}, r_{2} := r_{2} + i_{1}]$$

$$vend:0[r_{2} \ge 100]/o_{1} := r_{1}[r_{1} := r_{1}, r_{2} := r_{2}]$$

$$vend:0[r_{2} \ge 100]/o_{1} := r_{1}[r_{1} := r_{1}, r_{2} := r_{2}]$$

$$s_{20}$$