



4 a(1) a. $\frac{1}{(h(x))^2} = o(x) = o(y) = p(h(y))$ b. 100 g(h(x)) = h(f(x)) Rh(f(y)) = g(h(y)) according to the definition. Then it follows that $\xi(h(z),h(y)) \in \mathbb{R}^3$, is a bisimulation. (of bisimulation) a. $o(x) = p(h(x)) = p(h(y)) \stackrel{*}{=} o(y)$ e flatitalingus things thangs 2: by def. of 8 5. Then a and b are satisfied, hence again $\mathcal{E}(x,y)$ 1 (h(x), h(y)) 653 is a bisimulation.

