```
Exit[]

u[x_] := Max[0, 1 - Exp[-x]]
```

$$g[f\_, p\_, s\_] := p \, u[f + s] + (1 - p) \, u\left[\frac{f \, p}{p - 1} + s\right]$$

```
p = .99; Plot[{g[f , p, 1], g[-f, p, 1]}, {f, 0, 14}, PlotRange → All]
```