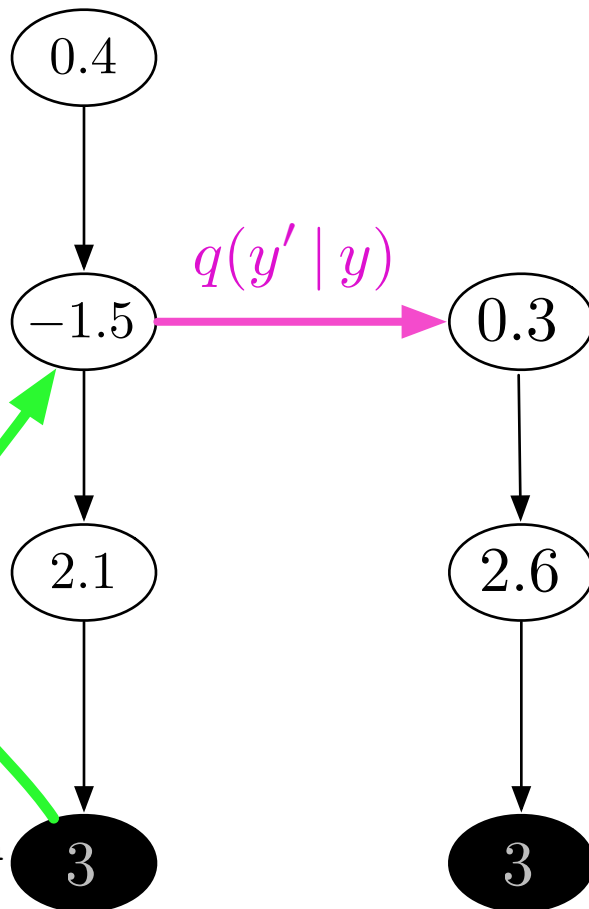


```
(let* ((x (gaussian 0 1))
```

```
(y (gaussian x 1))
```

```
(z (gaussian
    (+ (square x)
        (square y))
    2))
```

```
(emit z 3
    (likelihood:additive-gaussian
    0 σ)))
```



$$p(y' = 0.3, z' = 2.6 | y = -1.5, z = 2.1)$$

$$= q(0.3 | -1.5) \min \left\{ 1, \frac{\mathcal{N}(0.3; 0.4, 1) \mathcal{N}(3; 2.6, \sigma)}{\mathcal{N}(-1.5 | 0.4, 1) \mathcal{N}(3; 2.1, \sigma)} \right\}$$