Handout title

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1 Introduction

- Some sentences. Some sentences. Some sentences. Some sentences.
- Some sentences.
- Some sentences.¹

1 Here is a sidenote.

(1) This is an example

2 Math test

$$\left[\left(2\right) \quad \left[\left(\operatorname{and}_{\tau \to \tau \to \tau}\right]\right] = \begin{cases} \wedge & \tau = t \\ \lambda P_{\rho \to \sigma} \cdot \lambda Q_{\rho \to \sigma} \cdot \lambda x_{\rho} \cdot \left[\left(\operatorname{and}_{\sigma \to \sigma \to \sigma}\right)\right] \cdot \left(P \, x\right) \cdot \left(Q \, x\right) & \tau = \rho \to \sigma \end{cases}$$

3 Code test

```
newtype CCP a = CCP { (>>-) :: (G Identity a -> G Identity T) -> G Identity T }

instance Functor CCP where
fmap f cx = CCP $ \k -> cx >>- \x -> k (fmap f x)

instance Applicative CCP where
pure a = CCP $ \k -> k (pure a)
cf <*> cx = CCP $ \k -> cf >>- \f -> cx >>- \x -> k (f <*> x)

instance Monad CCP where
return = pure
cgx >>= f = CCP $ \k -> cgx >>- \gx -> gx >>= (\x -> f x >>- k)
```