



sigbovik 2019

# Proceedings

***sigbovik***  
2019

**K.O. DOCUMENT**

**NEXT**

**K.O.s**

**Randoms** **Badges**

**Attackers**

Suppose that  $h_*(\gamma(x_0)) = d \cdot \gamma(y_0)$ . Then

$$\begin{aligned} h_*(\gamma(x'_0)) &= h_*([\bar{\beta}] * \gamma(x_0) * [\beta]) \\ &= h_*([\bar{\beta}]) * h_*(\gamma(x_0)) * h_*([\beta]) \\ &= h_*([\bar{\beta}]) * [d \cdot \gamma(y_0)] * h_*([\beta]) \\ &= d \cdot [h_*([\bar{\beta}]) * \gamma(y_0) * h_*([\beta])] \\ &= d \cdot \gamma(y'_0) \end{aligned}$$

**CODE**

```
Suppose that $h_*(\gamma(x_0)) =  
d \cdot \gamma(y_0)$. Then  
\begin{align*}  
h_*(\gamma(x'_0)) &= h_*([\bar{\beta}] * [\gamma(x_0)] * [\beta])  
               &= h_*([\bar{\beta}]) * h_*([\gamma(x_0)]) * h_*([\beta])  
               &= h_*([\bar{\beta}]) * [d \cdot \gamma(y_0)] * h_*([\beta])  
               &= d \cdot [h_*([\bar{\beta}]) * \gamma(y_0) * h_*([\beta])]  
               &= d \cdot \gamma(y'_0)  
\end{align*}
```

**PLACE**

**47 / 99**

**KO 01**

**000% UP**

**Carnegie Mellon University**  
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