

Composed Query q



Query Image y

dense

Query Text t

Visual Encoder
 f

d

Similarities

Distribution Normalization

Text Encoder
 g

d

Similarities

Distribution Normalization

Composed Encoder h

$$(1 - \lambda) \cdot \begin{matrix} N \\ 0.1 & 0.3 & \dots & 0.2 \end{matrix} + \lambda \cdot \begin{matrix} N \\ 0.2 & 0.1 & \dots & 0.4 \end{matrix}$$

$$\begin{matrix} N \\ 0.2 & 0.1 & \dots & 0.4 \end{matrix} \rightarrow \text{argmax}$$



Retrieved Image x



Visual Encoder
 f

d

\dots

N