$y = torch.unbind(\ x\ ,\ dim\ )$

Require: $|x| = (d_1, \cdots, d_n),\ \ell \in dim < l$

Guarantee: y is a tuple of $(d_1, d_2, \cdots, d_{dim-1}, d_{dim+1}, \cdots, d_n)$

$$\frac{\sigma \vdash E \Rightarrow e, C \quad n = e[dim] \quad k = n[e] \quad e_1 = e[:1] \oplus e[:2:k] \quad e_2 = e[1:] \oplus e[2:k] \quad \cdots \quad e_n = e[n:] \oplus e[n+2:k] \quad C' = \{(k \geq 1) \wedge_{(0 \leq p < k)}\}}{\sigma \vdash unbind(E,\ p\ ) \Rightarrow (e, e_1, \cdots, e_n),\ C \cup C'}$$

Description: unbinds given dimension i and returns d_i number of tensors in tuple