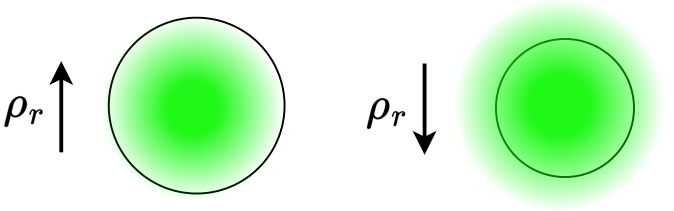
CAM-based Cumulative Relevance ρ_r

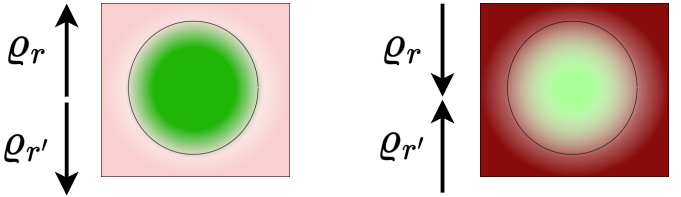
$$\rho_r = \mathbb{E}_l \left\{ \mathbb{E}_n \left\{ \frac{\mathbf{1}^\top (\tilde{\mathbf{M}}_n^r \odot \mathbf{S}_{nl}^r)\mathbf{1}}{\mathbf{1}^\top \mathbf{S}_{nl}^r \mathbf{1}} : \forall n \in N \right\} \forall l \in L \right\}, \quad \rho_r \in [0,1]$$



Mask-based Cumulative Relevance ϱ_r

$$\varrho_{rl}^{'} = \mathbb{E}_n \left\{ \frac{\mathbf{1}^\top (\tilde{\mathbf{M}}_n^r \odot \mathbf{S}_{nl}^r)\mathbf{1}}{\mathbf{1}^\top \tilde{\mathbf{M}}_n^r \mathbf{1}} : \forall n \in N \right\}, \varrho_{rl} \in \mathbb{R}^+$$

$$\varrho_r = \mathbb{E}_l \left\{ \frac{\varrho^{'}{}_{rl}}{\max\limits_{c \in \{0,1\}} \varrho_{cl}^{'}} \forall l \in L \right\}, \quad \varrho_r^{'} \in [0,1]$$



CAM-Dice $D^{'}$

$$D_r^{'} = \mathbb{E}_l \left\{ \mathbb{E}_n \left\{ 2 \frac{\mathbf{1}^\top \left(\tilde{\mathbf{M}}_n^r \odot \mathbf{S}_{nl}^r \right) \mathbf{1}}{\mathbf{1}^\top \tilde{\mathbf{M}}_n^r \mathbf{1} + \mathbf{1}^\top \mathbf{S}_{nl}^r \mathbf{1}} : \forall n \in N \right\} : \forall l \in L \right\}, \quad D_r^{'} \in [0,1]$$