(B) unsupereited Data Aughertation (UDA) PL(x) // Labeled data dist UDA: Tourget model P(y/x) PULD Worlabeled data dut. Persect nodel of \* Supervised Augmentation: 2 ~ 9 (21x) Po(y1x, e). Divergence D(po(y1x) || poly1x, e) noise quality??  $\hat{x} = 9, (x, \epsilon)$ superised. min J(B) = (Exp. (x) [- log po (f + ly) | n.)] + 2 E E [ [CE (p) (y) xe) [ Pb (y) xe) [ Pb (y) xe) unsuperivised Sharepening Rediction: indicatore

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| E I (nam & (y/n)) B) CE (share Proply) | Po (b) x) |
| BI x E B y | cxp (zy/e) | cxp (zy/e) |
| E cxp (zy/e) | c