$When\ \frac{\lambda_r}{\lambda_s} = 0, 1 - \frac{\lambda_r}{\lambda_s} = 1, we\ will\ alwasy\ decide\ to\ reject, as\ there\ is\ no\ cost\ for\ rejection.$

$When\ \frac{\lambda_r}{\lambda_s} = 1, 1 - \frac{\lambda_r}{\lambda_s} = 0, we\ will\ never\ decide\ to\ reject, as\ the\ cost\ for\ rejects\ is\ much\ same\ as$

$the\ cost\ of\ misclassficcation, which\ is\ big.$

$So, as\ \frac{\lambda_r}{\lambda_s}\ is\ increased\ from\ 0\ to\ 1, we\ become\ less\ likely\ to\ decide\ to\ reject.$