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$BC = \frac{1}{2}$ pitch $= \frac{1}{2}P$

$OP = d \dfrac{cosec}{2} = \frac{1}{2}P$

$PQ = QC \cot (d/2) = P/4 \cos (x/2)$

$P_2 = P/4 \cot (x/2)$

$AQ = P/4 \cot (x/2) - AP$

$AP = \left(cosec \dfrac{\cdot x/2 - 1}{2} \right)$

$AQ = \dfrac{P \cot (x/2)}{2} - \dfrac{d \, cosec \, x (2-1)}{2}$

$Pv \, du = 2AQ$

$P = \dfrac{P}{2} \cot \dfrac{x}{2} - d \left(cosec \dfrac{x}{2} - 1 \right)$

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