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Trade Study Problem Worksheet

Cost of In-house Software:

SLOC: 1200

100 lines/labor month/person

$1000/per labor month

3 labor month additional work

Cost = 3 labor months \*$1000/per labor month + (1200 SLOC/100 SLOC/labor month)\*$1000/per labor month = $15,000

Cost of HiPricedSpread Software = $28000 + 2 labor months\*$1000/labor month = $30,000

Cost of Half-Baked Software = $9000 + 1 labor month \* $1000/labor month = $10,000

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Trade Study Name:** Choose Commercial-Off-the-Shelf Software or Develop In-House | | | | | | | | | | | |
| **Problem Statement:** Select best value based on cost and built-in sales support capability | | | | | | | | | | | |
| **Candidates 🡺** | | | **Half-Baked** | | | **HiPricedSpread** | | | **In-House** | | |
| **Criterion** | **Wgt** | **Model** | **Value** | **Score** | **Wgt\*Score** | **Value** | **Score** | **Wgt\*Score** | **Value** | **Score** | **Wgt\*Score** |
| **Cost** | **1** | **Less is More** | $10000 |  | 1\*.66 = .66 | $30000 | (30000-30000)/30000 = 0 | 1 \* 0 = 0 | $15000 | (30000-15000)/30000 = .5 | 1\*.5 = .5 |
| **Sales Support** | **2** | **0/1** | 0 | 0 | 2\*0 = 0 | 1 | 2 | 1\*2=2 | 0 | 0 | 0 |
| **Rating** |  |  |  |  | .66 |  |  | 2 |  |  | .5 |

What is your decision? **HiPricedSpread**