|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **n** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| **X[n]** | **5** | **0** | **2** | **0** | **-1** | **0** | **1** | **0** | **2** | **0** | **4** | **0** | **6** | **0** | **0** | **0** | **0** |
| **h[n]** | **0.5** | **1** | **0.5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| h[0]\*x[n] | 2.5 | 0 | 1 | 0 | -0.5 | 0 | 0.5 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | - | - | - |
| h[1]\*x[n] | - | 5 | 0 | 2 | 0 | -1 | 0 | 1 | 0 | 2 | 0 | 4 | 0 | 6 | 0 | - | - |
| h[2]\*x[n] | - | - | 2.5 | 0 | 1 | 0 | -0.5 | 0 | 0.5 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 0 |
| **X[n]\*h[n]** | **2.5** | **0.5** | **3.5** | **0** | **0.5** | **-1** | **0** | **1** | **1.5** | **2** | **3** | **4** | **5** | **6** | **3** | **0** | **0** |

$$X\left[n\right]\*h\left[n\right]=\{2.5, 0.5, 3.5, 0, 0.5, -1, 0, 1, 1.5, 2, 3, 4, 5, 6, 3\}$$