* Problem 1.
  + Exercise 7.2:  
    approximation pyramid:   
    prediction residual pyramid:
    - level 0:
    - level 1:
    - level 0 to level 2:
  + Exercise 7.3:  
    All the levels are expansions except the 0th one, and the expansion ratio is bounded by 4/3.

|  |  |
| --- | --- |
| J | Expansion ratio |
| 0 |  |
| 1 |  |
| 2 |  |
| J+1 |  |
| ∞ |  |

* + Exercise 7.15: