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Algorithm 4 Bottleneck BiSkFPN Algorithm
Require: Input feature maps P = P1, P2, ..., Pn, Deconvolution kernel size K,
     Skip connection feature map skip
Ensure: Fused feature map F
 1: function BottleneckBiSkFPN(\mathbf{P}, K, \mathbf{skip})
          \mathbf{P}' \leftarrow \text{upsample } \mathbf{P} n \text{ by deconvolution with kernel size } K
 2:
           \mathbf{F} \leftarrow \operatorname{concat}\left(\mathbf{P}n, \mathbf{P}'\right)
 3:
           for i \leftarrow n-1 to 1 do
 4:
               \mathbf{P}' \leftarrow \text{upsample } \mathbf{F} \text{ by deconvolution with kernel size } K
 5:
               \mathbf{F} \leftarrow \operatorname{concat}\left(\mathbf{P}i, \mathbf{P}'\right)
 6:
               \mathbf{F} \leftarrow \mathbf{F} + \operatorname{skip}(\mathbf{P}_{i-1})
 7:
          end for
 8:
 9:
          return F
10: end function
```