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```
function result = GeodesicDilation(I,core,mask)
```

## basic morphology method

input: I-marker,core-structual element,mask-mask

```
tmp = I;
prev = I;
%in previous use on fingerprint, inverse is needed
mask = ~mask;
while true
    tmp = Dilate(tmp,core);
    tmp = tmp & mask;
    gap = tmp - prev;
    % judge whether could stop
    if sum(gap(:)) == 0
        break;
    end
    prev = tmp;
end

result = tmp;
```

*Not enough input arguments.*

*Error in GeodesicDilation (line 4)*

```
tmp = I;
```

```
end
```

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