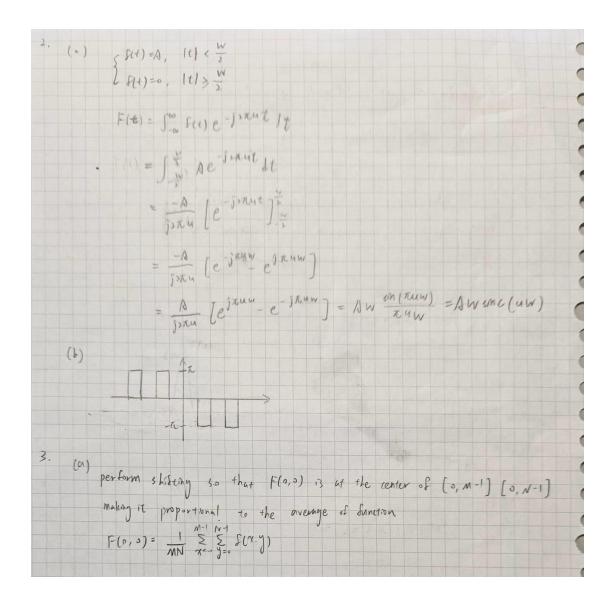
| 1. (4) | the number of spatial increments by which a receptore stell is more! |
|--------|--|
| | termonation of reighborhood is perform convolution |
| (0) | Construction of the second sec |
| (0) | course poulong to all locations in the importance the controllers of |
| (9) | Inv+: |
| | 66-(1-1)=60 |
| | Feature map: 66x66 + 60x60 |
| | p-led feature map: 60×6-> 30×30 |
| | Second: |
| | Seature map: 3'0x3r -> 24x24 |
| | pooled Continu map: 12x12 |
| (e) | First : |
| | (1×1) ×1 × 6+6=300 |
| | secon) graysmle |
| | (1x1) x 6 x 12 +12= 3540 |
| (s) | $S_{x,y}(1) = \frac{\partial \zeta}{\partial \zeta_{x,y}(0)} = \frac{\zeta}{\zeta} \frac{\partial \zeta}{\partial \zeta} \frac{\partial \zeta}{\partial$ |
| | = \(\int \(\su_{\nu} \) \(\left(\te) \reft(\left(\left(\left(\left(\left(\left(\left(\lef |



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(b) (\Rightarrow)

f(x,y) \approx icx^{3} \text{ and aven}

f(x,y) = f(x,y) = \int_{-\infty}^{\infty} f(x,y) e^{-jxc(\frac{i}{M} + \frac{i}{N})}

= \int_{-\infty}^{\infty} f(x,y) e^{-jxc(\frac{i}{M} + \frac{i}{N})

= \int_{-\infty}^{\infty} f(x,y) e^{-jxc(\frac{i}{M} + \frac{i}{N})}
```

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(c) \{\{\{(x,y)(-1)^{n+y}\}\} = \sum_{x=3}^{M-1} \sum_{y=3}^{N-1} \{(x,y)(-1)^{n+y}\} e^{-\int_{0}^{x} \pi \left(\frac{ux}{M} + \frac{vy}{N}\right)}

= \sum_{x=3}^{M-1} \sum_{y=3}^{N-1} \{(x,y)\} e^{-\int_{0}^{x} \pi \left(\frac{ux}{M} + \frac{vy}{N}\right)}

= \sum_{x=3}^{M-1} \sum_{y=3}^{N-1} \{(x,y)\} e^{-\int_{0}^{x} \pi \left(\frac{(u-\frac{x}{M})^{x}}{M} + \frac{(v-\frac{x}{M})^{y}}{N}\right)}

= \sum_{x=3}^{M-1} \sum_{y=3}^{N-1} \{(x,y)\} e^{-\int_{0}^{x} \pi \left(\frac{(u-\frac{x}{M})^{x}}{M} + \frac{(v-\frac{x}{M})^{y}}{N}\right)}

= \sum_{x=3}^{M-1} \sum_{y=3}^{N-1} \{(x,y)\} e^{-\int_{0}^{x} \pi \left(\frac{(u-\frac{x}{M})^{x}}{M} + \frac{(v-\frac{x}{M})^{y}}{N}\right)}
```

