

%PDF-1.3 %  
1 0 obj <> endobj 2 0 obj <> endobj 3 0 obj <> endobj 4 0 obj <> endobj 5 0 obj <> endobj 6 0 obj <>  
FqB MGnA; { r>B'Q A 6 O A. + 9 !h G a 4 g r 'o+ An, - H. p z F O } ( W k A p ( W M j > ? S Y } 0 p+ F  
jt \* ê, = m ! f w h N # W [ ? E fy ) IbG'@ & W ;  
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q 7 d = ش Dj " ol 0 f M o ' t , } n ] Z < j P  
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% 5 F d DXB Sfv V 6 k j ~ q j T q F \* p q - [ D B - Z : n  
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t Zm Y > e k } w , [ R ~ ( ? p : R ' S 3 a l Q 3 u Ru W F K r ~  
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@ 5 P @ GCz R L , S m % I TC & O ; J r B e N : I [ a 5 J | y g A s L + s ~  
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< + G w 5 34 < k @ . S 4 d F M < / L 3 O K Ts d t E e < 7 d  
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p Y m p Y ( zq W iz 9 e h O \ { = ) p 4 D \_ ?  
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7)N|j)VE<sup>á</sup><+36~3:0#Z&Yx|v!Wb  
yq5hbOe/"iMg5mh=C16{Y1{l}{r}?B-%Q  
QGxG7KU4h9+k<\$HS  
'V&{B-O7X'~+v\*?3'7WEm?T'k:V%o13:0#Z&Yx|v|j!U&lM)CCJ6G#fGZ-znNM>A)]1z-J  
53QJJHsbnuHdyd9a[6Dg[p[Rt-qzE[dQ|S#L#YF]tp"K>g~]rv&7Kqka]9#e)dx\$8A  
r<iM4"HW=T0yjv kz0i); Q4(4LZk  
Rhy2qD SYIS@1~et30Z,?&Tw1e;(& A5  
gR!PnQTGXpyQEVRGCI Rav+M'xiD\mV. cG  
[Gs|1+Rs{z\_Y;B"[[PA)Lnvv2iBqBnhSNh>  
ea^V\*R\*R.4u2`}غV:@ê0M%f]!F2i)r^C5O  
\$#%DO{'z...[.vMDO>SK'E"TU\_m  
\_0"yHMM~%KAmm+Q,w&@J[T[1J\$@HRD)@!2D  
D4+J)6[JQ,GJ=-L]mNUG%k(0n[B  
BaayE+  
uL36#"|||  
a,KnEk{!\*mB)Gj3,،،]ZQziRZO)m3  
.mCKy<Mo!0hMfj0|OüQ[4CBDYEf8,'[6I\*QUUg.  
\*A)6xn\_n0g10[UeAp(0qK2Ffo`4e  
~v#;UØ6-#,\_@QI3?"T.0\$'Q{j=?xu7{  
\_p\*{W`oRt7'o'o'pj/B/S~D~8]xHQ{j  
\$q)eOjsM..wM#\_p\*{W`oRt7'o'o'pj/B/S~D~8]xHQ{j  
\_p\*{W`oRt7'o'o'pj/B/S~D~8]xHQ{j  
\$q)eOjsM..wM#\_p\*{W`oRt7'o'o'Gy  
GyL\_S|E|cC\*u|i"15  
D26T'D[EssVM)3#V|.w+e|g:){!J%AAP|x6  
Tu9M\*4don"i|I|fBlz,W|H|(Kg,,|Fz37#}  
y[o|S?1j,،b|F%jH9"b|sVQ'CB`+jINl5\$%pq  
IL|F|mVVZ]b  
1UJ~O2i:flUÜK|g,،<b>)S)LR1Jb)S)LR1Jb)  
gW,vGz&2m\$QB@\_نRX\$4AV|C|O17EZT>  
}1Y|H|Ocq|R0xT)GYL+80`TF  
fHY|rt)S)LR1Jb)S)LR1Jb)S)LR1Jb)S)  
A+,,[x'n|I\$!5p.GL|V/?g|Lh:[a]K|d+iZ7#0sUs  
p%H<-G2q1x71Y;0q=R@|c;4|W|d|M  
B3s|v|E!|o>?0 W|o|Eù?:r|P5^>  
\_S|E#P0y=n|t5U|v(hDC[,U|\0'|@|T|I|X|  
ne|{((i.5|J=g|1%6\_9s&c<,%\_L|O-o|P|:  
:=b|[j|nI|\0|q|p4#|K|s1|s=j|z'Nh|.hs|p|q|6|Z  
s|I|r|n|u|p|U|3+|B|<|JV&|P|\w|a|b(|9|  
t|a|z|X|/ys+|[o]{|W|~|W\_|J|>|{|t|J|x|^|?|;|1|;(i+5;|t|2|M|v|c|e|E|^|Gu|g|H|A|h|-|.|]k|K|DA5w/  
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,|{\}|K=w|8@VKx|Bb|x|n{|Oy|a|p|Ln|RY9|D|jG75|z|{|x|  
E|H|7m|G;j|m|6|M|d^d^d|\$W8#|W|W|U|%|+|X|  
k|F|~Q|Y|O|i|L|j|T.|O#|W|\_ck| JW|rR|2|j9|G @|f%|9|  
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=|/k|U|m|~|5|i|?|3|s|q|=|i#V|\_a|G|x|l|%|Y|z|I|s|69  
E|G|K?|x|G|8R-;|ó|x|~|-|}b|\_d|0|C|)|v|M|  
غ|T|6;t|LqB|K|AkJe|z|x|y|x|\_u|g|!|s|  
u|s|I|s|+|K|y|^|:&N|e|G|3|G|/\_L|+|h|U|P|"|  
o|>|g|\_Y|v|M|O|[|Y|;|Skmi|^|f|.|G|J|[|r|7|0|6  
Y|izQ3|q|j|C1|w|K|c|I|%WM|!@|c|aw1|@|&  
R|H|m|n|Z|g|P|v|k|IV|!|5|R|3Y|-|M|p|e|x.8dM&|1|L|  
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r|^|\_,<|W\*|,|.,|+|gg|P|)+|PP|(|T|`|  
{|a|o|1|N|}{|Y|\_}|{(|d|~|)|d|>|n|

W<sub>1</sub>, W<sub>2</sub>, ..., W<sub>n</sub> are the weights of the neurons in the hidden layer, and b<sub>1</sub>, b<sub>2</sub>, ..., b<sub>n</sub> are the biases of the neurons in the hidden layer. The output of the hidden layer is given by:

$$O_{\text{hidden}} = \sigma(W_{\text{hidden}} \cdot I + b_{\text{hidden}})$$

S9k`xex<|d5s>IRi:^RmFNYR12o  
&G"fEzQ Z\$GTA!QgW5A H]sL  
xht%~^r6rtO5d`jRHY+W@hIfTuy\|gE@TA\$@d@b9]?Ko  
!9C@e3-kN;9oqhSHeoqcPk@r4 )@/2sJ@ef@25@b@F@S  
}94@M@rhY@IZ3}Y@m\_@b@Z@m'M'W'c@Z5"WD@165@8 X@sKT@  
04Gy!v@wq@/^#s@c@X5@H<@#\$@~@p@H}@M'y@\_L@[12s@q@>,un  
k@,J~4O@,|L@uc@)C@:S@p@6@4@R@xiPh@BP@S@'@q@U9t  
gHh@jwO.%@i@y@^@K5"@F@rq@M@ë'-5w@&-@V]~@?@k  
i@=WO@pkG-@;W@D@9@t@}:>n@8:s@v@+2@{@"@t+@  
p@>M@co@o@s@J@/#@5qq@66@X:@A@Y@M@ f@;@4@#4@Q@)C@c@,s  
i@?@T?@.n@q@-@Xf7@I@?@t@q:@}.@)r@y@^@.O4p\@y@>@L@=\\_@  
C@r@d.)@V@K@SV@z@4@#@3@{z@N}@PuK@N@+c)@V@#@r@9%B@T@6Q@  
0000158373 00000 n 0000159798 00000 n 0000159987 00000 n 0000160153 00000 n 0000160340 00000 n 00001711