

Indirizzi IPv4

Convertitore

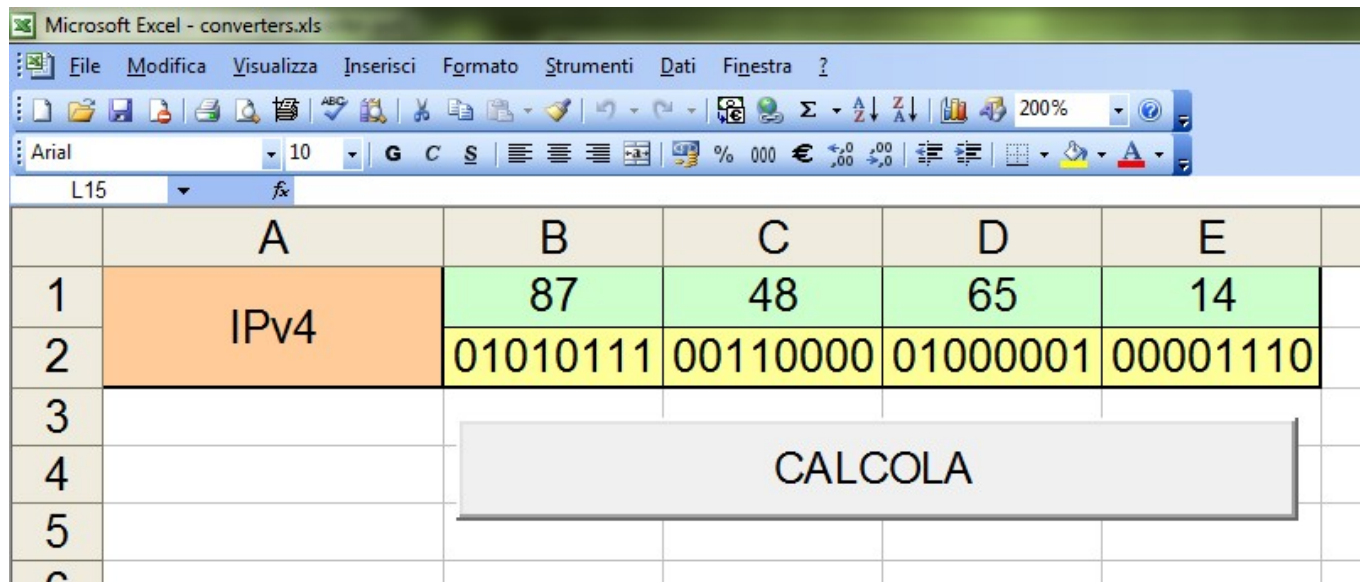
Creiamo un convertitore che ci permetta di passare da un indirizzo IPv4 in forma decimale al corrispondente IPv4 in binario.

87	48	65	14
01010111	00110000	01000001	00001110

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Utilizziamo Microsoft Excel.
Creiamo un foglio come in figura.



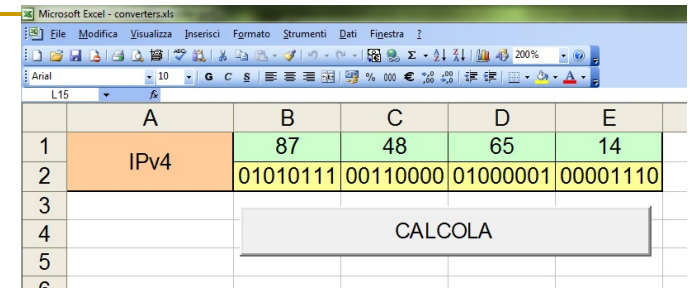
	A	B	C	D	E
1	IPv4	87	48	65	14
2		01010111	00110000	01000001	00001110
3					
4					
5					
6					

CALCOLA

Inseriremo l'indirizzo decimale nelle celle B1:E1.
Visualizzeremo la conversione nelle celle B2:E2.

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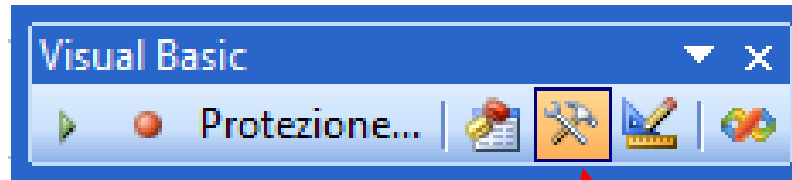
Convertitore



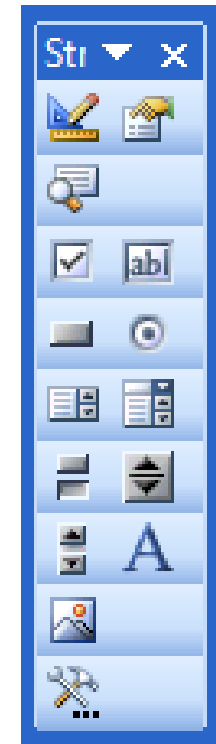
A screenshot of a Microsoft Excel spreadsheet titled 'converters.xls'. The spreadsheet contains a table for converting IPv4 addresses. The table has columns A through E. Row 1 contains the values 87, 48, 65, and 14. Row 2 contains the binary representations of these values: 01010111, 00110000, 01000001, and 00001110. A 'CALCOLA' button is located in cell D4.

	A	B	C	D	E
1	IPv4	87	48	65	14
2		01010111	00110000	01000001	00001110
3					
4				CALCOLA	
5					

Visualizziamo la barra degli strumenti di Visual Basic.
Visualizza -> Barre degli strumenti -> Visual Basic

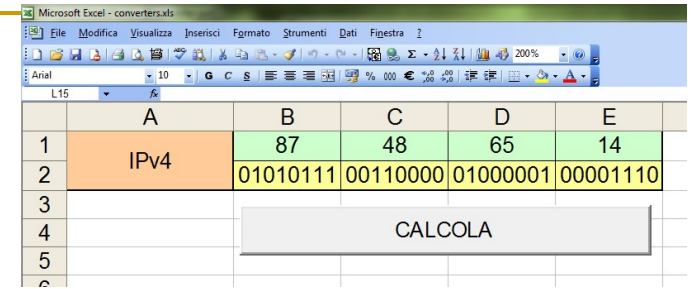


Visualizziamo la casella degli strumenti,
cliccando sul simbolo con chiave inglese e martello.



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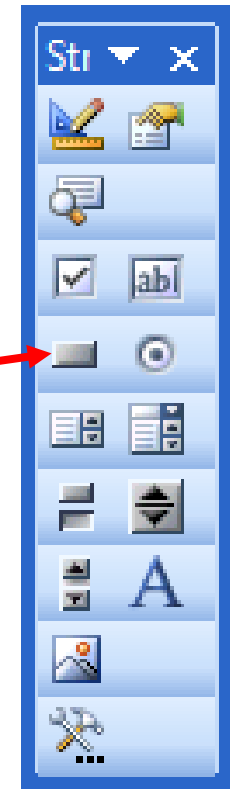
Convertitore



The screenshot shows a Microsoft Excel spreadsheet titled "converters.xls". The spreadsheet has columns A through E. Row 1 contains the numbers 87, 48, 65, and 14. Row 2 contains the binary representations of these numbers: 01010111, 00110000, 01000001, and 00001110. A "CALCOLA" button is located in cell D3.

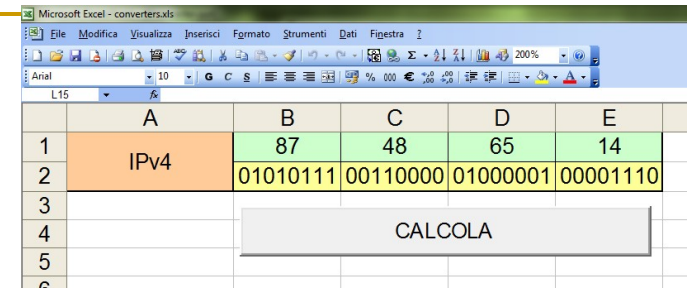
	A	B	C	D	E
1		87	48	65	14
2	IPv4	01010111	00110000	01000001	00001110
3					
4					
5					

Disegniamo un pulsante di comando, utilizzando lo strumento apposito.



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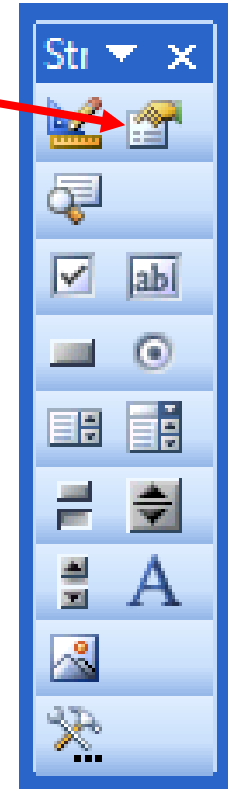
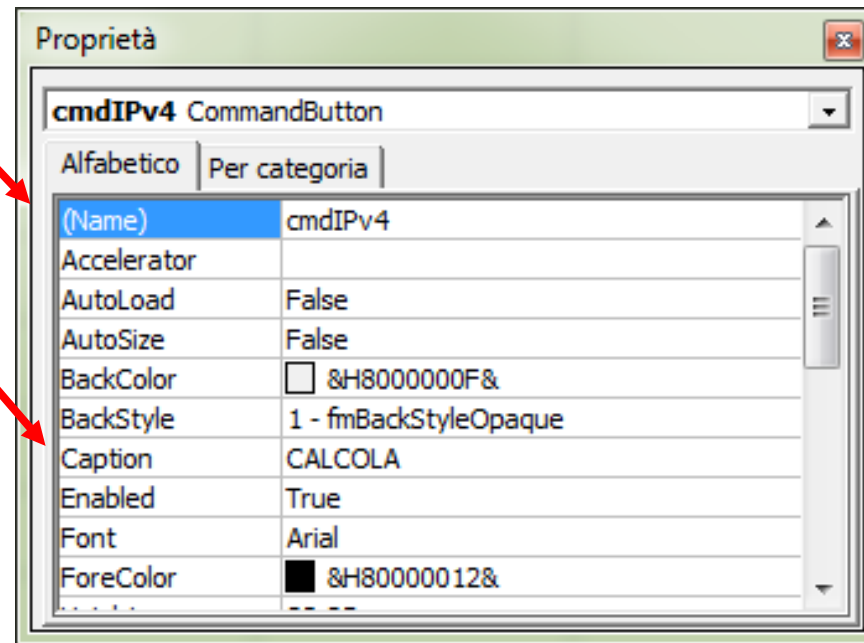
Microsoft Excel - converters.xls

	A	B	C	D	E
1		87	48	65	14
2	IPv4	01010111	00110000	01000001	00001110
3					
4		CALCOLA			
5					

Visualizziamo le proprietà dell'oggetto

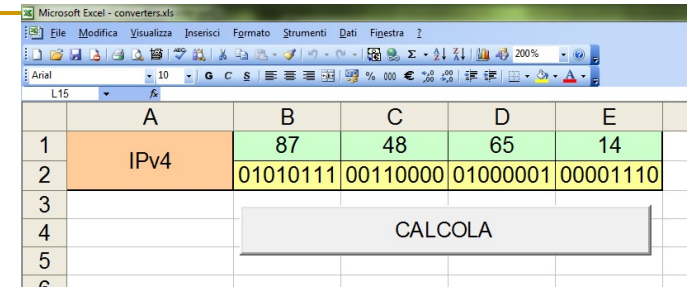
e inseriamo

(Name) cmdIPv4
Caption CALCOLA.



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Convertitore



The screenshot shows a Microsoft Excel spreadsheet titled "converters.xls". The spreadsheet is used for converting IPv4 addresses into binary. It features a table with columns A through E and rows 1 through 5. Row 1 contains the decimal values 87, 48, 65, and 14. Row 2 contains their corresponding 32-bit binary representations. A "CALCOLA" button is located in cell D4.

	A	B	C	D	E
1	IPv4	87	48	65	14
2		01010111	00110000	01000001	00001110
3					
4		CALCOLA			
5					

Facciamo doppio clic sul pulsante
e accediamo al codice relativo al pulsante.

Inseriamo il seguente codice.

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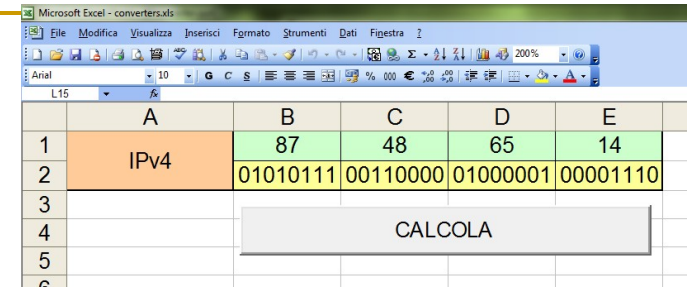
Convertitore

	A	B	C	D	E
1	IPv4	87	48	65	14
2		01010111	00110000	01000001	00001110
3					
4					
5					

```
Private Sub cmdIPv4_Click()  
    For i = 2 To 5  
        dec = Cells(1, i)  
        'binario su 8 bit  
        bin = ""  
        While dec > 0  
            bin = CStr(dec Mod 2) & bin  
            dec = Int(dec / 2)  
        Wend  
        While (Len(bin) < 8)  
            bin = "0" & bin  
        Wend  
        Cells(2, i) = "'" & bin  
    Next i  
End Sub
```

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Convertitore



The screenshot shows a Microsoft Excel spreadsheet titled 'converters.xls'. The spreadsheet has columns A through E and rows 1 through 5. Cell A1 contains 'IPv4'. Cell B1 contains '87', C1 contains '48', D1 contains '65', and E1 contains '14'. Cell B2 contains the binary value '01010111', C2 contains '00110000', D2 contains '01000001', and E2 contains '00001110'. A 'CALCOLA' button is located in cell B3. The spreadsheet is in Design Mode, as evidenced by the 'Str' (Strumenti) ribbon being active and showing various design-related icons.

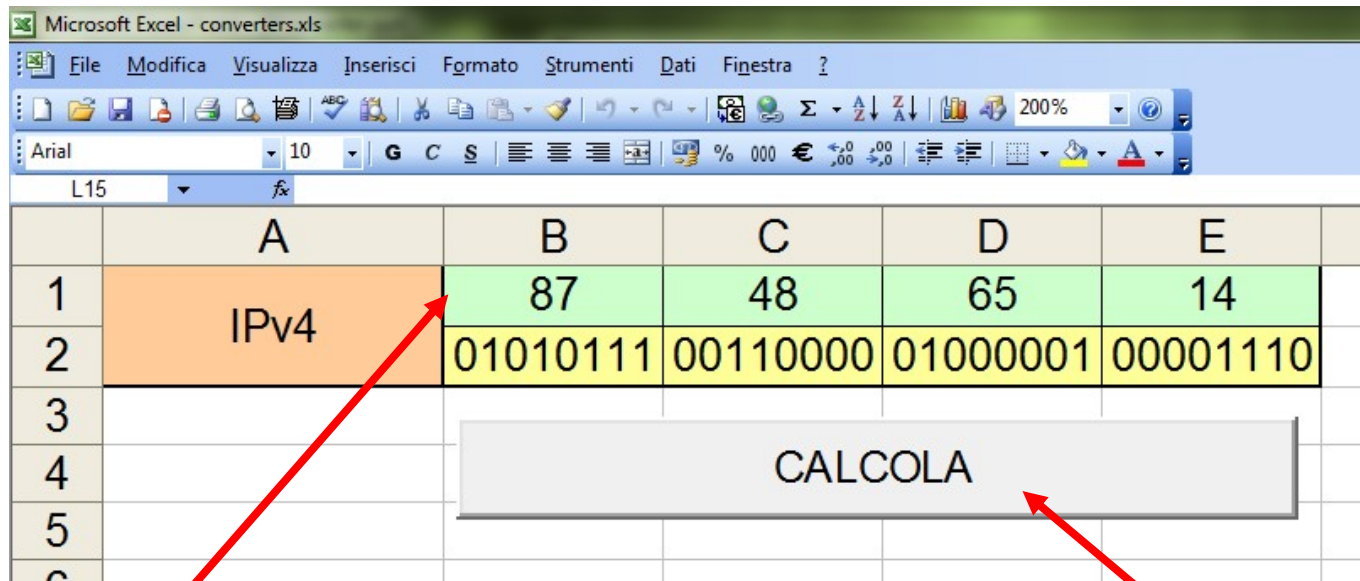
	A	B	C	D	E
1	IPv4	87	48	65	14
2		01010111	00110000	01000001	00001110
3					
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Torniamo sul foglio di Excel
e disabilitiamo la modalità progettazione.
In questo modo possiamo utilizzare il pulsante
e fargli eseguire la conversione



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Inseriamo l'indirizzo decimale nelle celle della prima riga.

Clicchiamo sul pulsante di comando.

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Microsoft Excel - converters.xls

File Modifica Visualizza Inserisci Formato Strumenti Dati Finestra ?

Arial 10 G C S % 000 € 2.0 0.00 2.0 0.00

	A	B	C	D	E
1	IPv4	87	48	65	14
2		01010111	00110000	01000001	00001110
3		CALCOLA			
4					
5					
6					

Visualizziamo l'indirizzo binario nella seconda riga.