|  |  |  |
| --- | --- | --- |
| INNER STRUCT | TOTAL BYTES - 32BIT | TOTAL BYTES – 64BIT |
| CHAR C1 | 1 | 1 |
| SPACE | 3 | 7 |
| DOUBLE \* | 4 | 8 |
| CHAR C2 | 1 | 1 |
| SPACE | 3 | 7 |
| SUM | 12 | 24 |

|  |  |  |
| --- | --- | --- |
| INNER UNION | TOTAL BYTES – 32 BIT | TOTAL BYTES – 64 BIT |
| CHAR C1 | 1 | 1 |
| DOUBLE \* | 4 | 8 |
| CHAR C2 | 1 | 1 |
| SUM | 4 | 8 |

ΑΙΤΙΟΛΟΓΗΣΗ ΣΧΕΤΙΚΑ ΜΕ ΤΟ INNER UNION :

ΤΟ ΜΕΓΕΘΟΣ ΤΟΥ UNION ΘΑ ΕΙΝΑΙ ΤΟ ΜΕΓΕΘΟΣ ΤΟΥ ΜΕΓΑΛΥΤΕΡΟΥ ΠΕΔΙΟΥ ΤΟΥ ΣΥΜΦΩΝΑ ΜΕ ΤΙΣ ΠΡΟΓΡΑΜΜΑΤΙΣΤΙΚΕΣ ΑΡΧΕΣ.

|  |  |  |
| --- | --- | --- |
| STRUCT FOO | TOTAL BYTES – 32 BIT | TOTAL BYTES – 64 BIT |
| CHAR A | 1 | 1 |
| SPACE | 3 | 7 |
| TABLE OF STRUCT [4] | 48 | 96 |
| INTEGER C | 4 | 4 |
| BOOLEAN B | 1 | 1 |
| SPACE | 3 | 3 |
| DOUBLE D | 4 | 8 |
| SHORT E | 2 | 2 |
| SPACE | 2 | 2 |
| FLOAT F | 4 | 4 |
| DOUBLE G | 4 | 8 |
| CHAR \* | 4 | 8 |
| VOID \* | 4 | 8 |
| INTEGER X | 4 | 4 |
| SPACE | ---------------------------- | 4 |
| SUM | 88 | 160 |

|  |  |  |
| --- | --- | --- |
| STRUCT FOOU | TOTAL BYTES - 32BIT | TOTAL BYTES - 64BIT |
| CHAR A | 1 | 1 |
| SPACE | 3 | 7 |
| TABLE OF UNIONS [4] | 16 | 32 |
| INT C | 4 | 4 |
| CHAR B | 1 | 1 |
| SPACE | 3 | 3 |
| DOUBLE D | 4 | 8 |
| SHORT E | 2 | 2 |
| SPACE | 2 | 2 |
| FLOAT F | 4 | 4 |
| DOUBLE G | 4 | 8 |
| CHAR \* | 4 | 8 |
| VOID \* | 4 | 8 |
| INTEGER X | 4 | 4 |
| SPACE | ----------------------------------- | 4 |
| SUM | 56 | 96 |

|  |  |  |
| --- | --- | --- |
| INNER STRUCT EFFICIENT | TOTAL BYTES - 32BIT | TOTAL BYTES – 64BIT |
| DOUBLE \* | 4 | 8 |
| CHAR C1 | 1 | 1 |
| CHAR C2 | 1 | 1 |
| SPACE | 2 | 6 |
| SUM | 8 | 16 |

|  |  |  |
| --- | --- | --- |
| STRUCT FOO EFFICIENT | TOTAL BYTES – 32 BIT | TOTAL BYTES – 64 BIT |
| TABLE OF STRUCT [4] | 32 | 64 |
| DOUBLE D | 4 | 8 |
| DOUBLE G | 4 | 8 |
| CHAR \* | 4 | 8 |
| VOID \* | 4 | 8 |
| INTEGER C | 4 | 4 |
| FLOAT F | 4 | 4 |
| INTEGER X | 4 | 4 |
| SHORT E | 2 | 2 |
| CHAR A | 1 | 1 |
| BOOLEAN B | 1 | 1 |
| SUM | 64 | 112 |

Τα 32bit κάνουνε .align 2 ,ενώ τα 64bit κάνουνε .align 3