

### Test options

|                 |                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------|
| -b file         | True if file is a <b>Block special device</b>                                                                      |
| -c file         | True if file is a <b>Character special device</b>                                                                  |
| -d file         | True if file is a <b>Directory</b>                                                                                 |
| -e file         | True if file <b>Exists</b>                                                                                         |
| -g file         | True if file has its <b>set-group-id bit set</b>                                                                   |
| -G file         | True if file is <b>owned by the current effective group id</b>                                                     |
| -k file         | True if file has its <b>"sticky" bit set</b>                                                                       |
| -L file         | True if file is a <b>symbolic Link</b>                                                                             |
| -O file         | True if file is <b>owned by the current effective user id</b>                                                      |
| -p file         | True if file is a named <b>Pipe</b>                                                                                |
| -r file         | True if file is <b>readable</b>                                                                                    |
| -S file         | True if file is a <b>Socket</b>                                                                                    |
| -s file         | True if file has a <b>Size greater than zero</b>                                                                   |
| -t [FD]         | True if FD is <b>opened on a terminal</b> . If FD is omitted, it defaults to 1 (standard output)                   |
| -u file         | True if file has its <b>set-user-id bit set</b>                                                                    |
| -w file         | True if file is <b>writable</b>                                                                                    |
| -x file         | True if file is <b>executable</b>                                                                                  |
| file1 -ef file2 | True if <b>file1 and file2 have the same device and inode numbers</b> , i.e., if they are hard links to each other |

### File age

|                 |                                          |
|-----------------|------------------------------------------|
| file1 -nt file2 | True if <b>file1 is newer than file2</b> |
| file1 -ot file2 | True if <b>file1 is older than file2</b> |

### String tests

|                    |                                                |
|--------------------|------------------------------------------------|
| -z String          | True if the <b>length of String is zero</b>    |
| -n String          | True if the <b>length of String is nonzero</b> |
| String1 = String2  | True if the <b>strings are equal</b>           |
| String1 != String2 | True if the <b>strings are not equal</b>       |

### Numeric tests

|               |                                                   |
|---------------|---------------------------------------------------|
| ARG1 -eq ARG2 | True if <b>ARG1 is equal ARG2</b>                 |
| ARG1 -ne ARG2 | True if <b>ARG1 is not-equal ARG2</b>             |
| ARG1 -lt ARG2 | True if <b>ARG1 is less-than ARG2</b>             |
| ARG1 -le ARG2 | True if <b>ARG1 is less-than-or-equal ARG2</b>    |
| ARG1 -gt ARG2 | True if <b>ARG1 is greater-than ARG2</b>          |
| ARG1 -ge ARG2 | True if <b>ARG1 is greater-than-or-equal ARG2</b> |



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