NAME
     bj - the game of black jack

SYNOPSIS
     /usr/games/bj

DESCRIPTION
     Bj is a serious attempt at simulating the dealer in the game of
     black jack (or twenty-one) as might be found in Reno. The fol-
     lowing rules apply:

     The bet is $2 every hand.

     A player `natural' (black jack) pays $3. A dealer natural loses
     $2.   Both dealer and player naturals is a `push' (no money ex-
     change).

     If the dealer has an ace up, the player is allowed to make an
     `insurance' bet against the chance of a dealer natural. If this
     bet is not taken, play resumes as normal. If the bet is taken,
     it is a side bet where the player wins $2 if the dealer has a na-
     tural and loses $1 if the dealer does not.

     If the player is dealt two cards of the same value, he is allowed
     to `double'.   He is allowed to play two hands, each with one of
     these cards. (The bet is doubled also; $2 on each hand.)

     If a dealt hand has a total of ten or eleven, the player may
     `double down'. He may double the bet ($2 to $4) and receive ex-
     actly one more card on that hand.

     Under normal play, the player may `hit' (draw a card) as long as
     his total is not over twenty-one. If the player `busts' (goes
     over twenty-one), the dealer wins the bet.

     When the player `stands' (decides not to hit), the dealer hits
     until he attains a total of seventeen or more. If the dealer
     busts, the player wins the bet.

     If both player and dealer stand, the one with the largest total
     wins. A tie is a push.

     The machine deals and keeps score. The following questions will
     be asked at appropriate times. Each question is answered by y
     followed by a new line for `yes', or just new line for `no'.

     ?   (means, ``do you want a hit?'')
     Insurance?
     Double down?

     Every time the deck is shuffled, the dealer so states and the
     `action' (total bet) and `standing' (total won or lost) is print-
     ed. To exit, hit the interrupt key (DEL) and the action and

standing will be printed.

BUGS

Be careful of the random number generator.