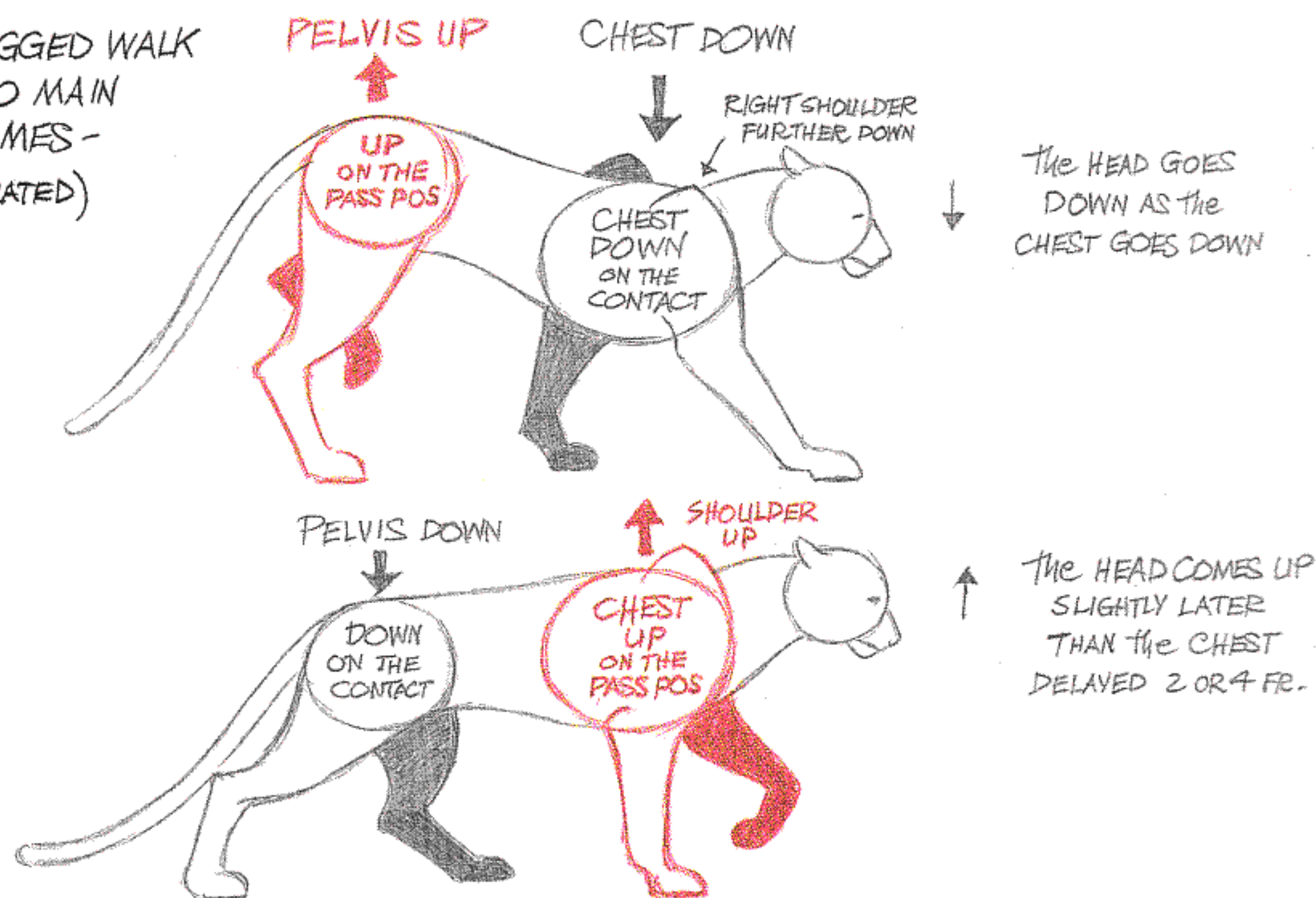


ANIMAL ACTION

FOUR LEGGED ANIMALS WALK LIKE TWO OF US JOINED TOGETHER - ONE SLIGHTLY AHEAD OF THE OTHER - TWO SETS OF LEGS SLIGHTLY OUT OF PHASE.

WE LOOK FOR ALL THE SAME THINGS AS WE DO WITH A HUMAN. START WITH THE CONTACT POSITIONS (PROBABLY STARTING ON THE FRONT FOOT) WHERE ARE THE UPS AND DOWNS? WHERE IS THE WEIGHT? WHAT'S THE SPEED? CHARACTER? DIFFERENCES IN BUILD?

A FOUR LEGGED WALK HAS TWO MAIN EXTREMES - (EXAGGERATED)

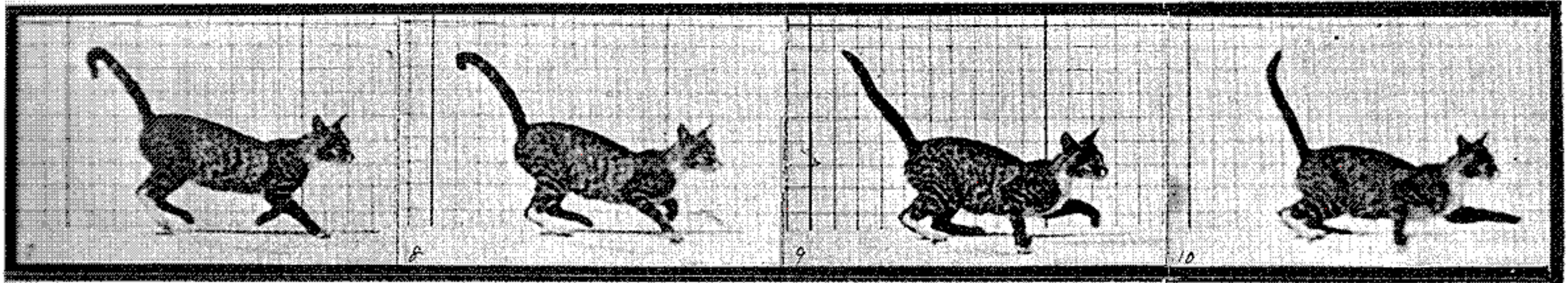


BUT WITH TWO SETS OF LEGS WORKING, THERE'S A LOT OF WEIGHT TRANSFERENCE GOING ON - WHERE THE WEIGHT IS COMING FROM, WHERE IT IS AND WHERE ITS GOING TO.

IF WE'RE GOING TO BE "REALISTIC" IN OUR ACTION WE'RE GOING TO HAVE TO DO THE RESEARCH: HOW THE ANIMAL IS BUILT, ITS SIZE and TYPE - WATCHING and WATCHING UNTIL WE KNOW IT.

LIVE ACTION REFERENCE

STUDY FILM and VIDEO and THE EXTRAORDINARY MUYBRIDGE PHOTOS OF ANIMALS WHERE THE HIGHS and LOWS and CHANGING MUSCLE SHAPES ARE CLEARLY DISPLAYED AGAINST BACKGROUND GRIDS.



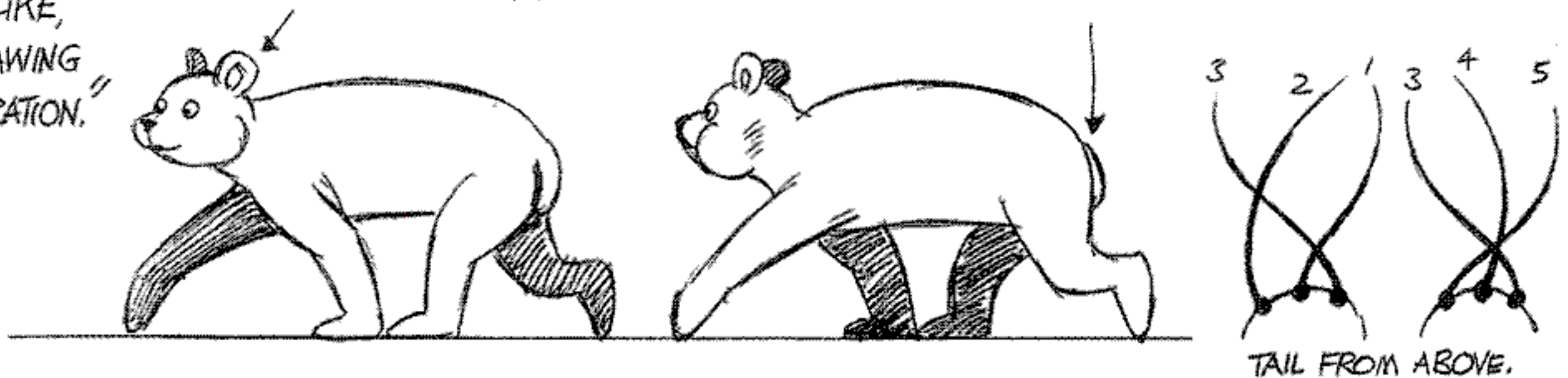
A MAESTRO OF ANIMAL ACTION, MILT KAHL SAID HE DID THOROUGH RESEARCH ON ANIMALS and ALWAYS DID. HE SAID HE SPENT HUNDREDS OF HOURS STUDYING ACTIONS OF VARIOUS ANIMALS and WALKS and RUNS - WHAT'S HAPPENING - WHERE THE WEIGHT IS and HOW YOU DRAW THEM. HE SAID HE DIDN'T THINK THERE WAS AN EASY WAY OF ARRIVING AT THESE THINGS: WE JUST HAVE TO GO THROUGH IT. MILT SWORE BY THE MUYBRIDGE BOOKS - FOUND THEM EVEN BETTER THAN FILM, BECAUSE OF THE GRIDS. KEN HARRIS ALSO SWORE BY MUYBRIDGE. HE BOILED DOWN A SIMPLE FORMULA - SOMETHING LIKE THIS -

"ANIMALS ALL WALK BASICALLY ALIKE, BUT TAKE DRAWING INTO CONSIDERATION."

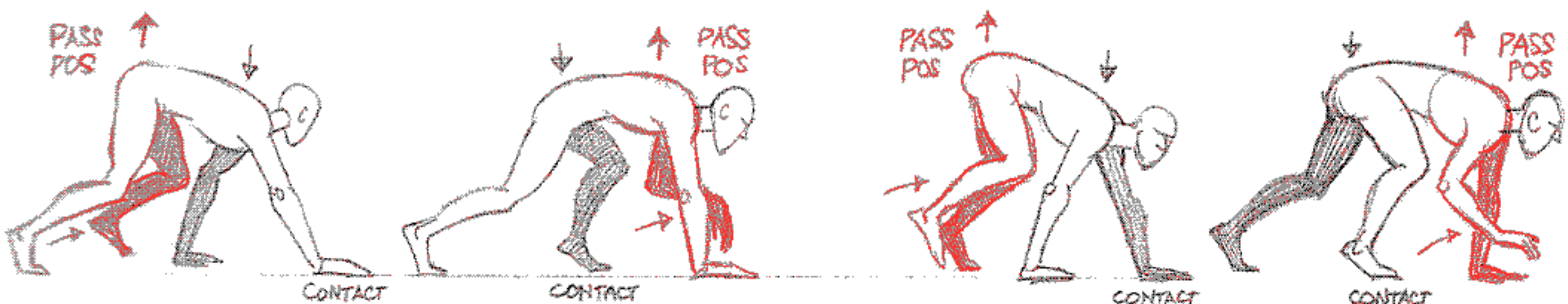
HEAD TURNS WITH - OR AGAINST - THE FRONT FOOT ACTION

THE TAIL ROOT MOVES WITH BACK LEGS

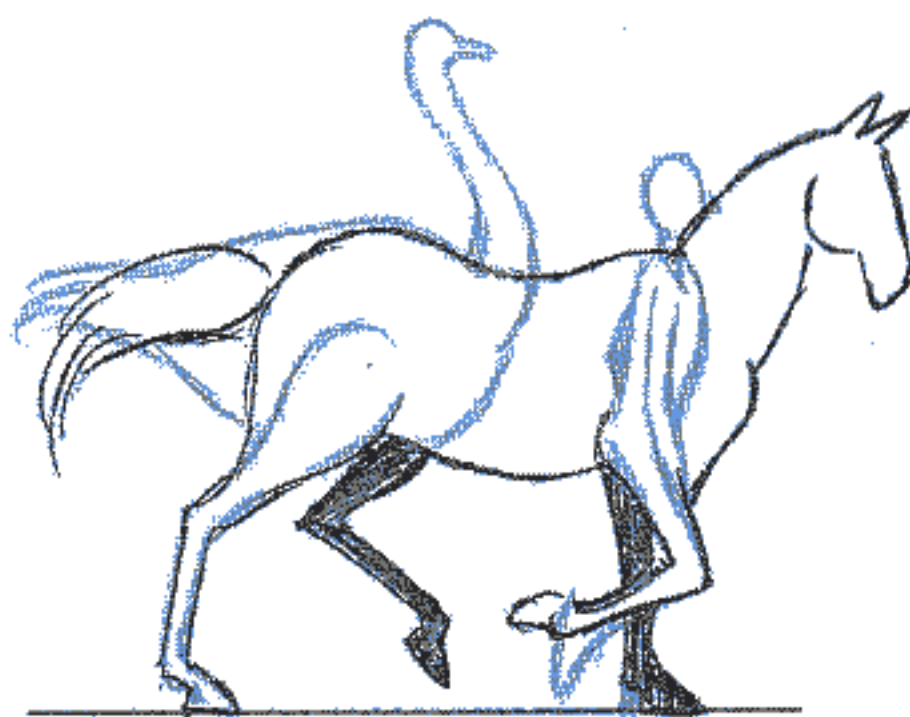
and THE REST ACTS LIKE A WHIP.



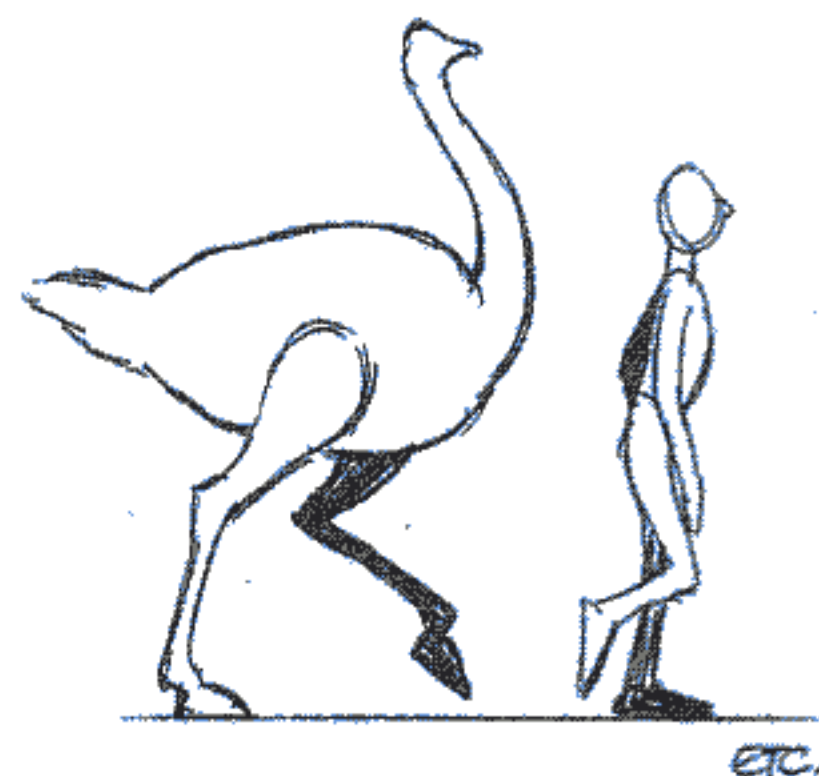
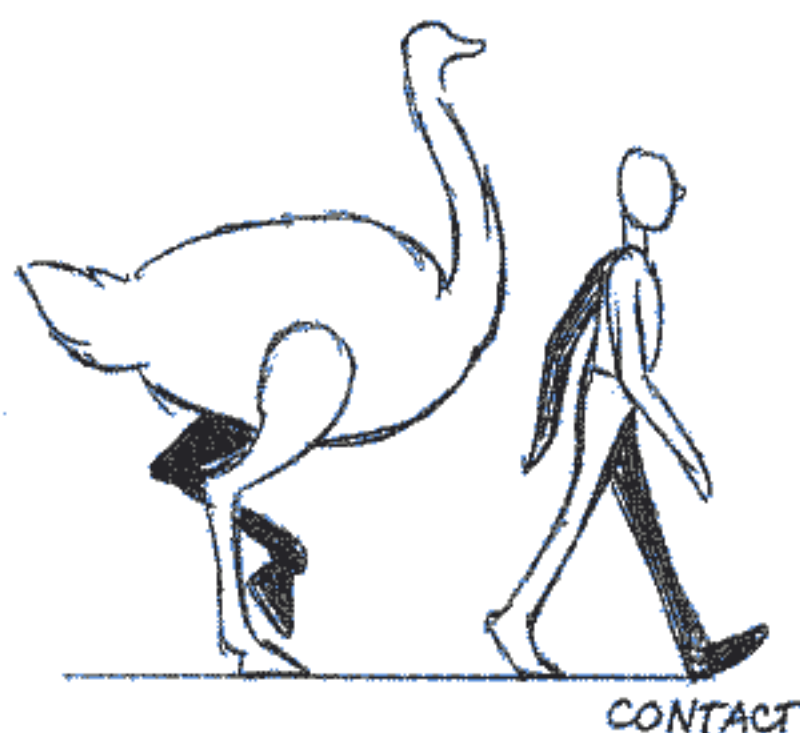
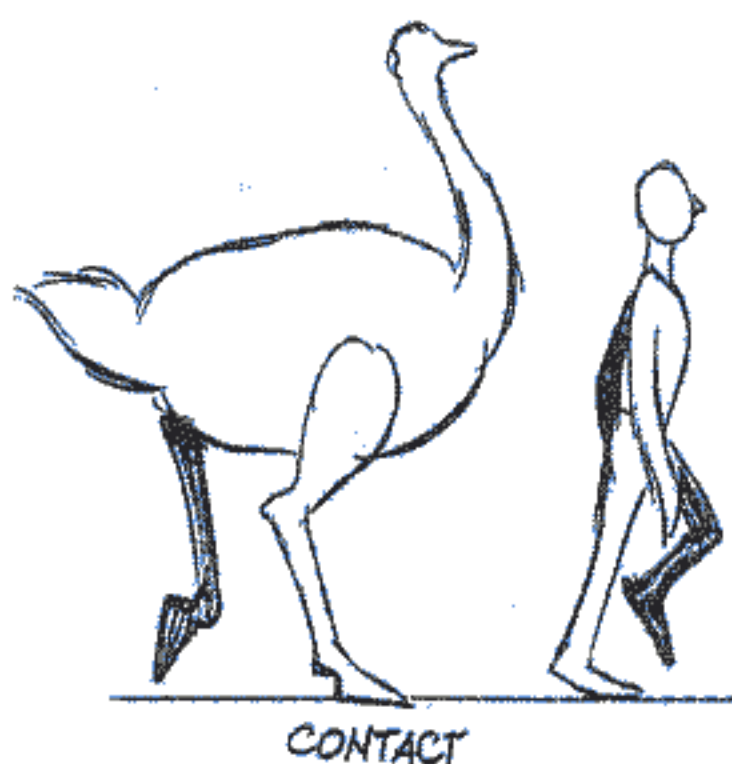
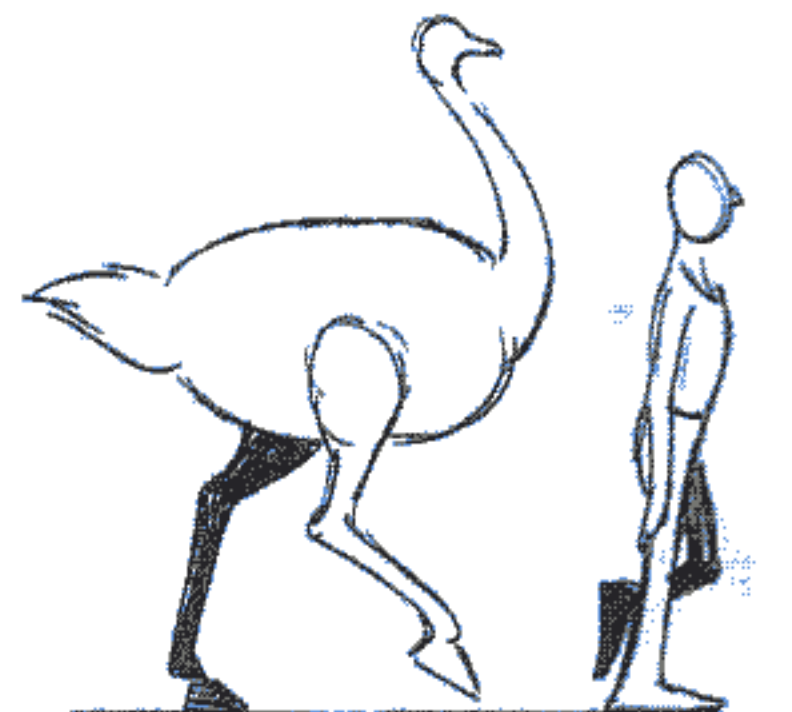
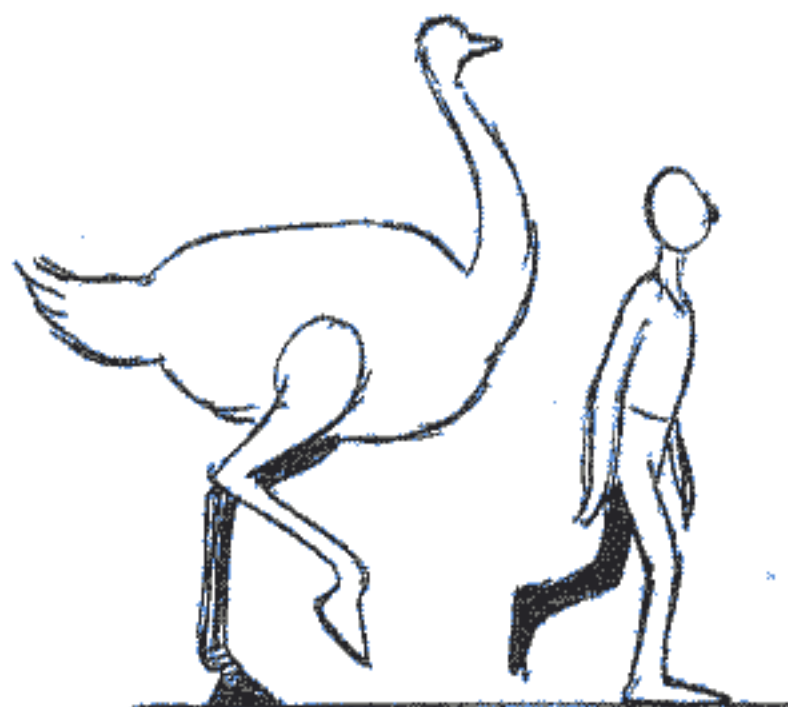
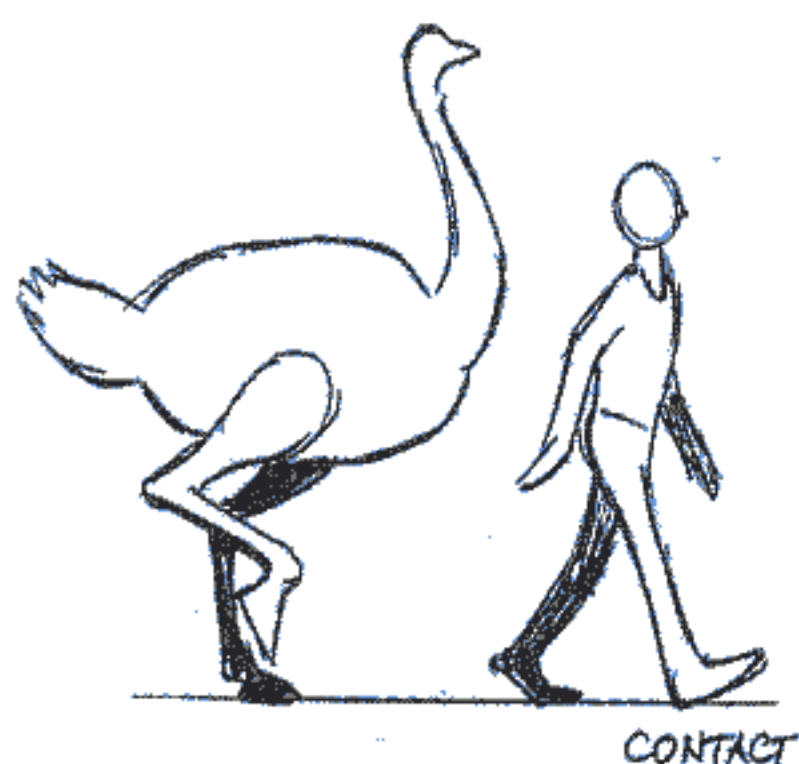
SINCE MOST ANIMAL WALKS ARE PRETTY SIMILAR, IF WE UNDERSTAND THE WALK OF A MEDIUM BUILT ANIMAL LIKE A HORSE, DOG OR LARGE CAT WE CAN APPLY THE SAME KNOWLEDGE TO OTHER ANIMALS DEPENDING ON THEIR SIZE, WEIGHT, DESIGN and THEIR TIMING - THE INTERVALS OF THEIR FEET LANDING. IF WE GET DOWN ON ALL FOURS WE CAN FEEL HOW THEY WALK.



ABE LEVITOW ASKED
AN INTERESTING QUESTION -



DOES A HORSE WALK LIKE AN OSTRICH AND A MAN?



OR



DOES AN OSTRICH AND A MAN WALK LIKE A HORSE?

BASIC ANIMAL WALK PATTERN

APPLYING TO MOST ANIMALS - USING A MEDIUM SIZE DOG.
THERE'S SO MUCH GOING ON THAT COLOURS HELP -

2 MAIN EXTREMES -



BLACK FOR
CONTACTS



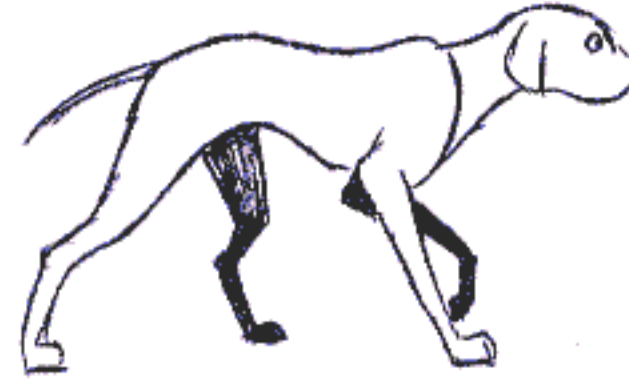
RED FOR
PASS POS



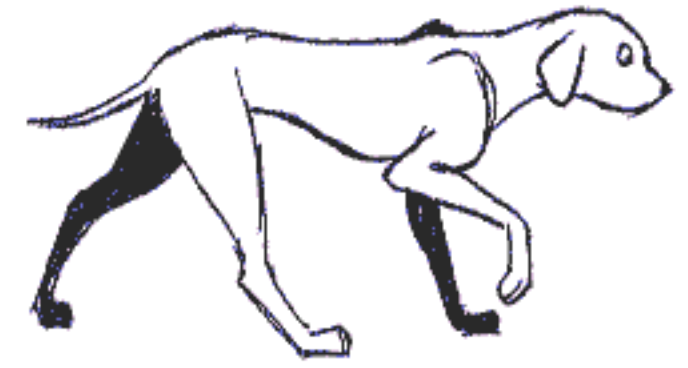
BLUE FOR
the DOWN



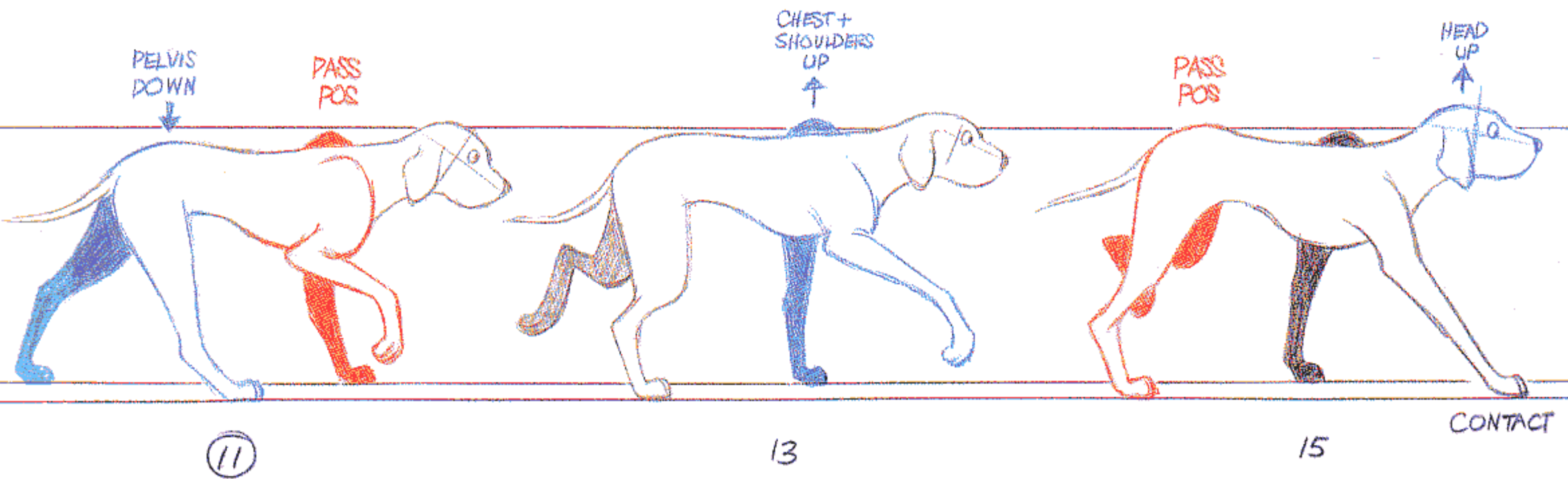
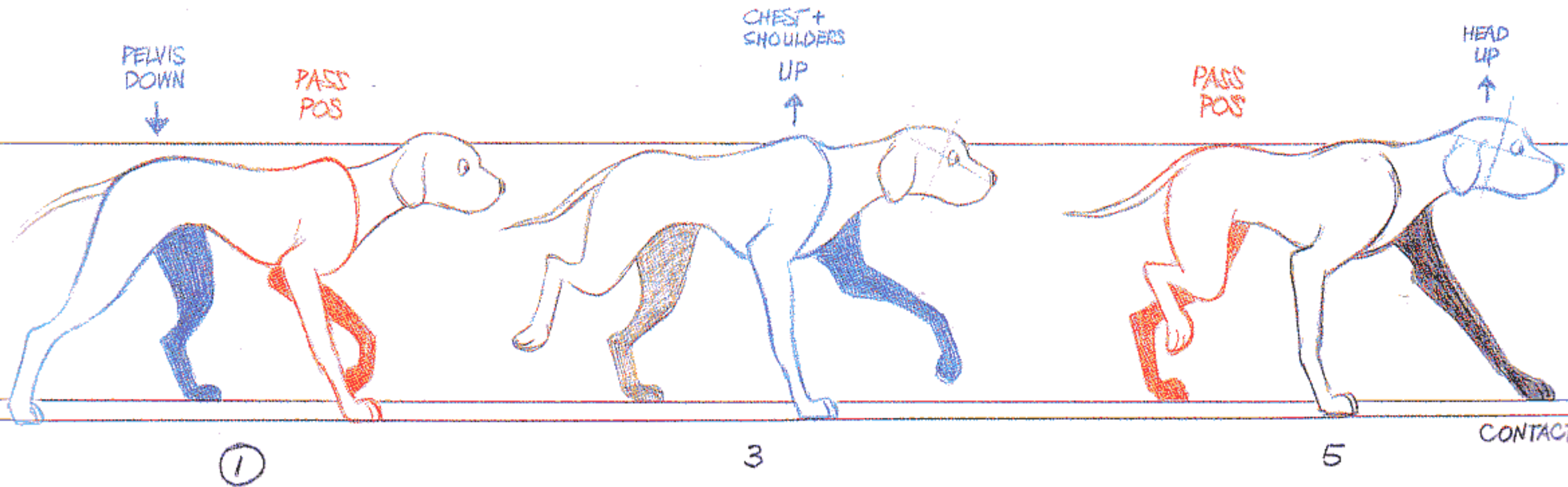
2nd BLUE FOR
the UP



①

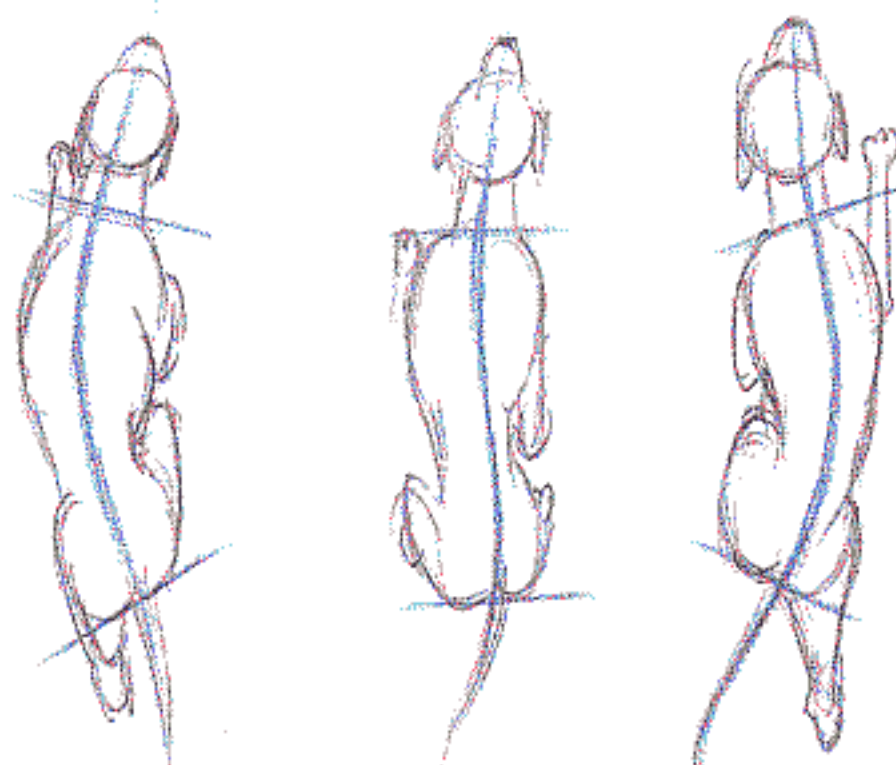


⑪

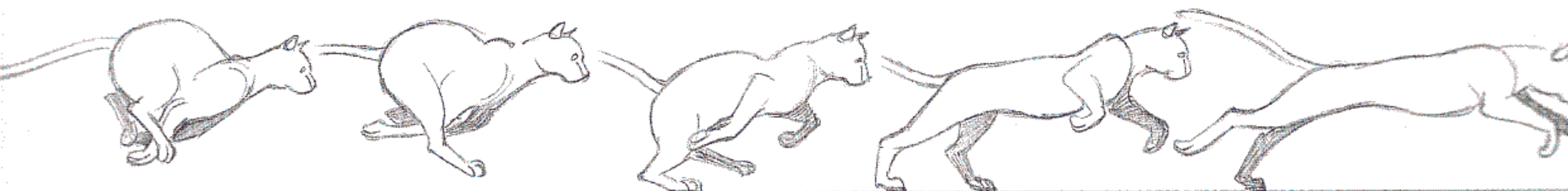
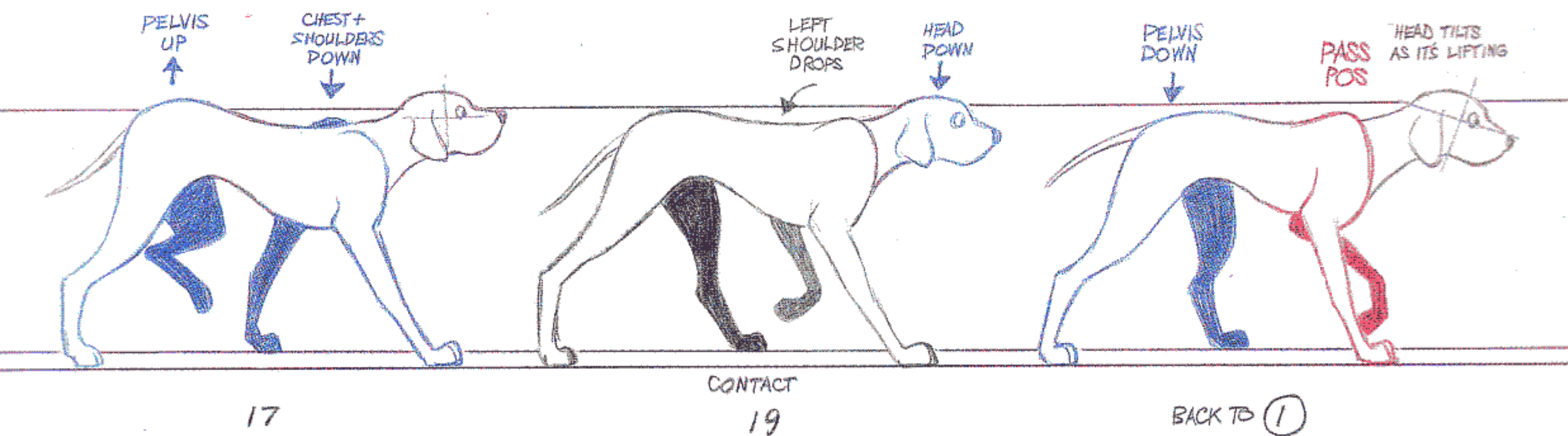
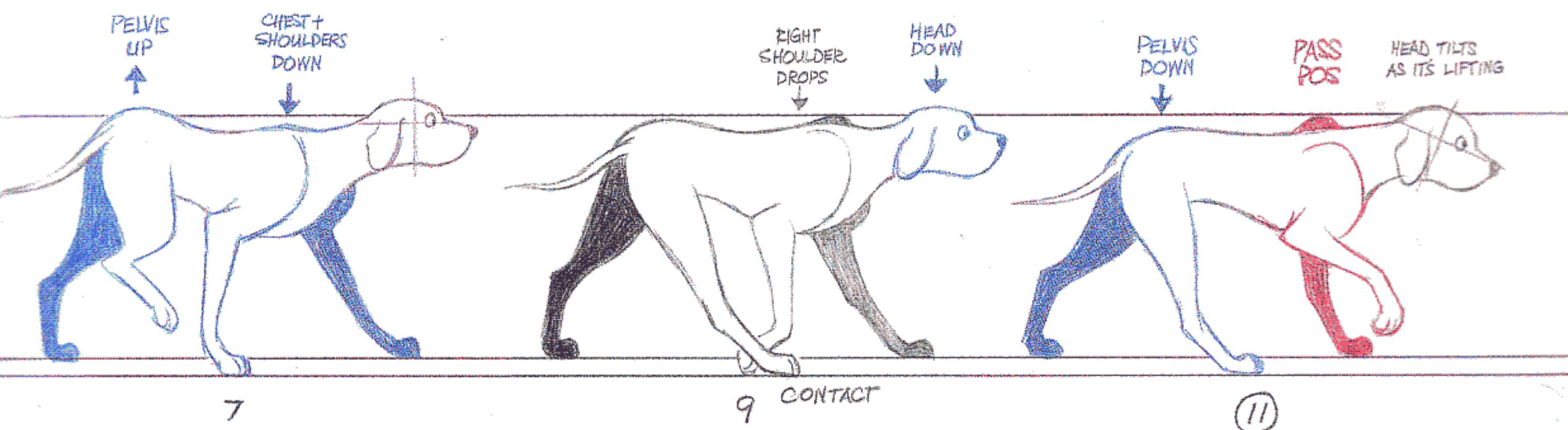


FOLDING and UNFOLDING -

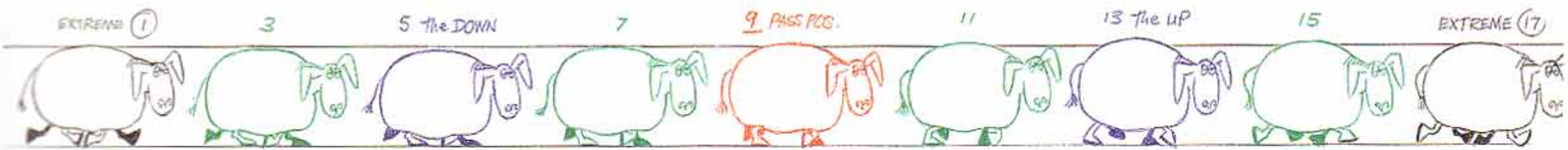




The
SPINE TWISTS
SIDE TO SIDE
DURING
the WALK.



HERE'S A FUNNY 'INVENTED' WALK ON A DONKEY - ON TWOS - WALKING ON 16'S. IT'S PLANNED WITH THE FRONT LEG AND THE OPPOSING BACK LEG 'TWINNING' - TAKING THE STEP TOGETHER. THE EXTREMES #1 AND #17 ARE LEVEL AND THE PASSING POSITION #9 BODY AND HEAD ARE RAISED SLIGHTLY. THE DOWN IS ON #5 AND THE UP IS ON #13. SIMPLE, BELIEVABLE, BUT NO ANIMAL WALKS LIKE THIS.

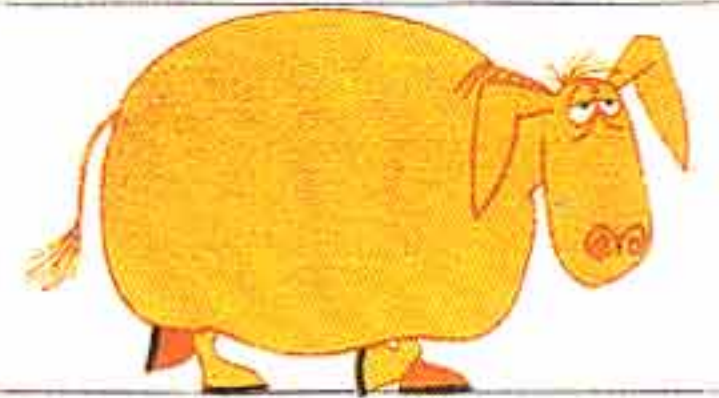
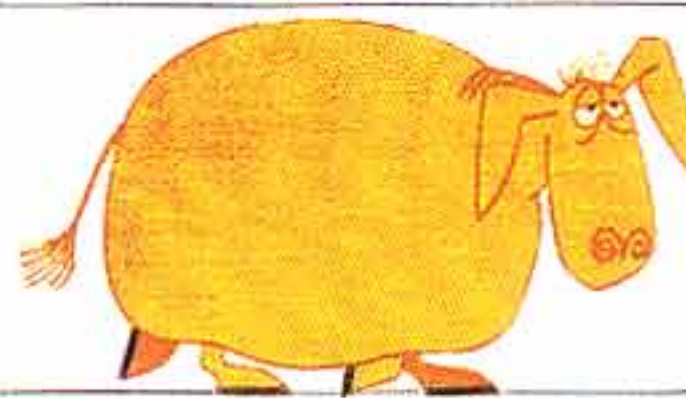
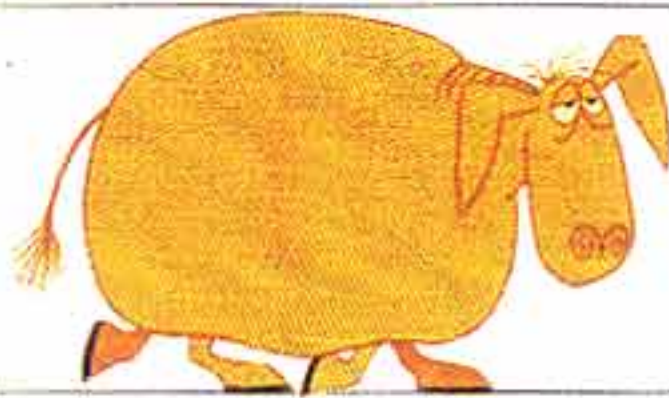
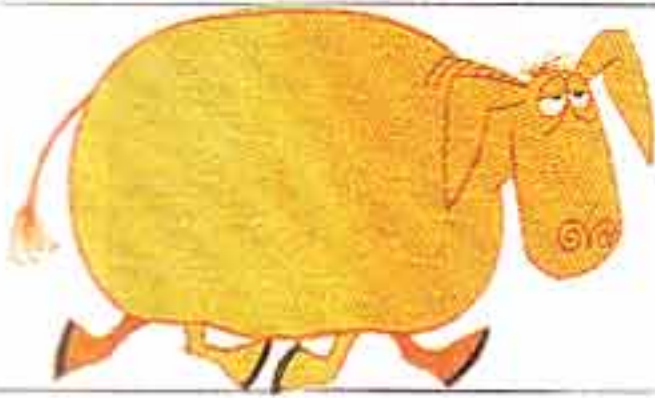


EXTREME (1)

3

5 the DOWN

7

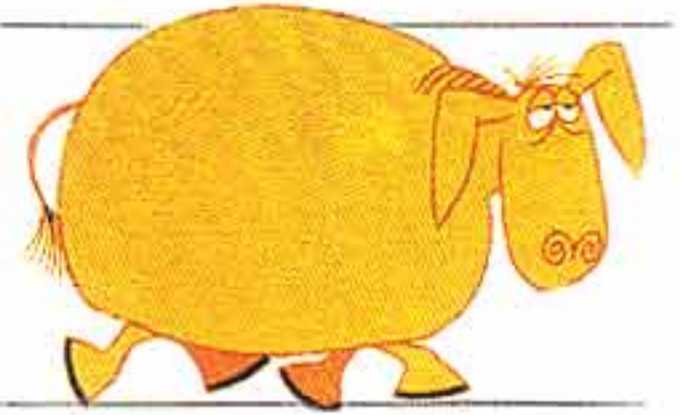
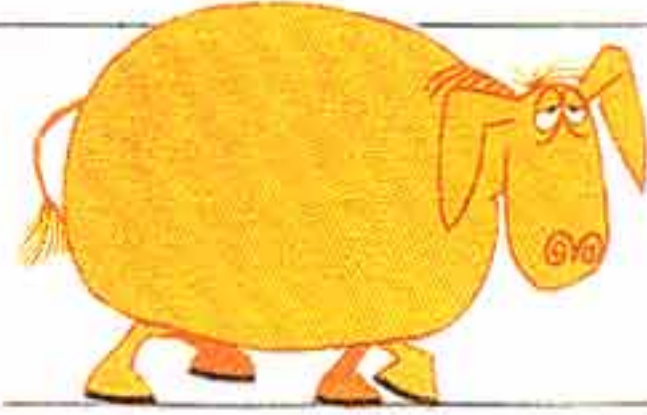
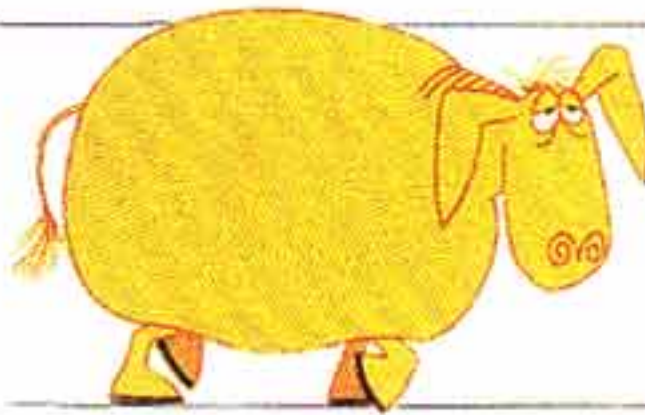
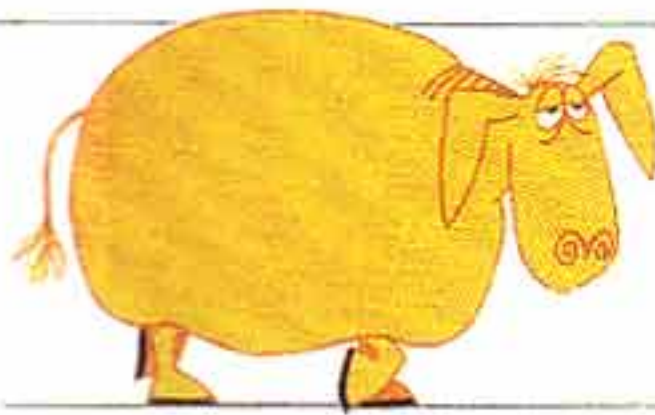


9 PASS POS.

11

13 the UP

15

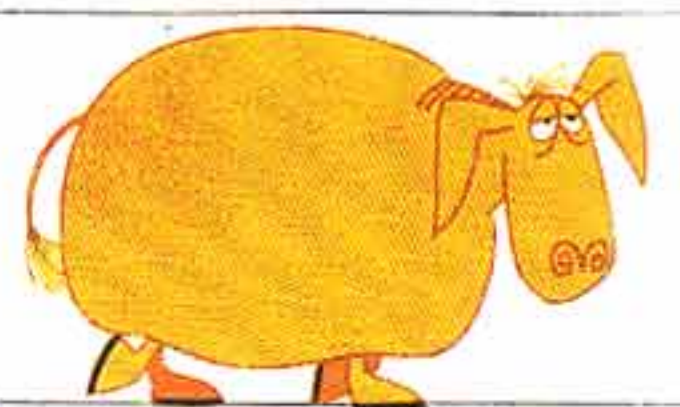
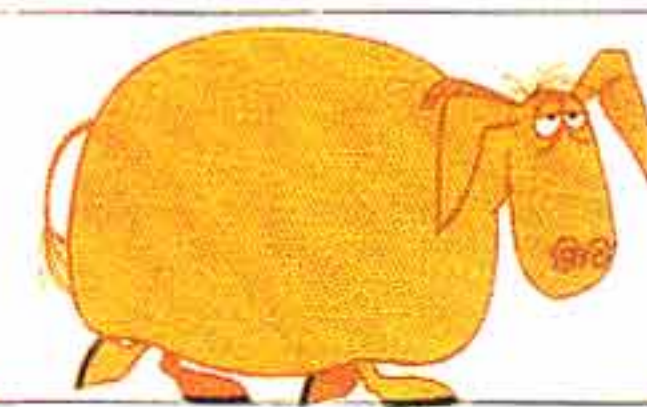
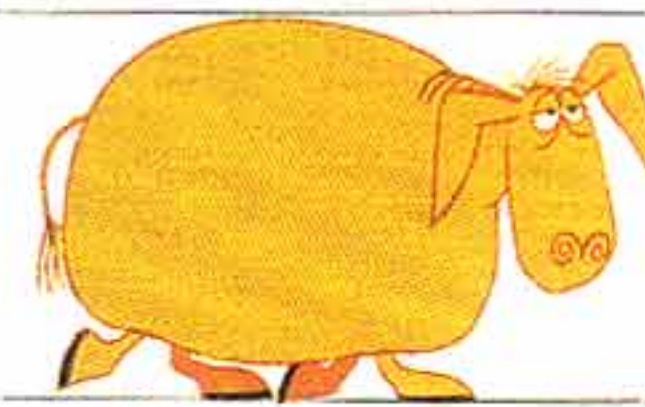
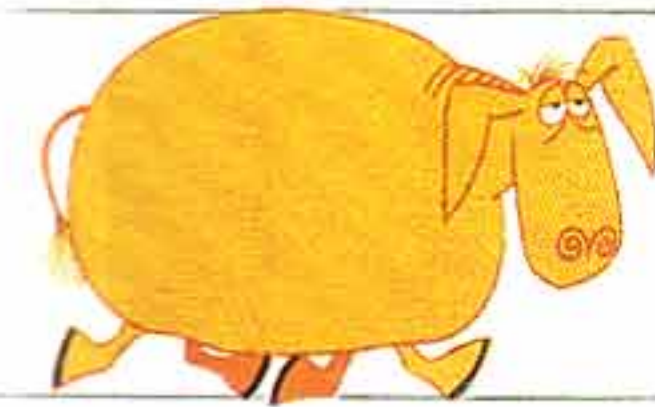


EXTREME (17)

19

21 the DOWN

23



25 PASS POS.

27

29 the UP

31

